

## **PROGRAMME PROJECT REPORT**

**PROGRAMME – MASTER OF ARTS (M. A.) IN ASSAMESE: SEMESTER MODE**

**PREPARED BY CIQA, DODL, DIBRUGARH UNIVERSITY FOR THE ACADEMIC  
SESSION 2020-21 ONWARDS**

### **PRESENTED BEFORE**

- The Second Meeting of CIQA Committee on 29.11.2019 for onward process

*Forwarded under report to the forthcoming meeting of BoM and BoS to  
recommend to the statutory bodies*

### **PLACED BEFORE**

- The 150<sup>th</sup> Meeting of the Post Graduate Board on 05.12.2019

### **RECOMMENDED BY THE**

- The 150<sup>th</sup> Meeting of the Post Graduate Board to the 118<sup>th</sup> Meeting of Academic Council for Approval

**APPROVED BY THE HON'BLE VICE CHANCELLOR UNDER REPORT TO THE  
ACADEMIC COUNCIL**

## PROGRAMME PROJECT REPORT

### PROGRAMME- MASTER OF ARTS (M.A) IN ASSAMESE: SEMESTER MODE

PREPARED BY CIQA, DODL DIBRUGARH UNIVERSITY FOR THE ACADEMIC SEESSION 2020-21 ONWARDS

#### a) Programme's Mission & Objectives:

Assamese is one of the most important modern Indian languages originating from Sanskrit. It is one of the languages recognised by the Indian Constitution. Besides being the state language of Assam, it is also the lingua franca of some of the neighbouring states like Arunachal Pradesh and Nagaland. This M.A. in Assamese Programme would promote the teaching and learning of Assamese literature, language and culture at higher educational level.

The mission of this Programme is to reach those learners aspiring for a Post-graduate programme in Assamese who are deprived of it due to various reasons. It would also open the doors to the employed and self-employed aspiring youths.

The Objective of the Programme are:

- ❖ To develop efficiency of learners in terms of right expression and appropriate communication in Assamese language and literature.
- ❖ To impart the knowledge of social, cultural and political history of Assam. This Programme covers the following areas: the geographical location, origin, early history of the state, culture and civilization of Assam from the ancient to the contemporary period.
- ❖ To introduce the learners to the Assamese language, its variants, and the essentials of Assamese grammar.
- ❖ To acquaint the learners with the meaning of culture and various manifestations of culture such as social customs, clan, tradition, rituals, festivals, beliefs, etc.

#### b) Relevance of the Program with HEI's Mission and Goals:

This programme also fulfills the HEI's mission and goal of motivating and creating a human resource that would work towards sustainable and holistic social development. Because this Programme, in a very comprehensive yet effective way, educates and sensitizes the learners to explore and research the richness of Assamese literature.

#### c) Nature of prospective target group of learners:

This Programme targets specifically those learners who aspire for a Post-graduate degree in Assamese literature and language but are left out in the conventional mode institutes due to limited number of seats. Many others are deprived due of financial or family constraints. Apart from that, there are many employed and self-employed persons who aspire for this degree. Especially, the teachers of Assameses in middle and high school level can improve their teaching standard through this Programme.

**d) Appropriateness of the programme to be conducted in Open and Distance Learning mode to acquire specific skills and competence:**

This Programme is appropriate to be offered through open and distance mode as it does not require laboratory work or extensive field work.

**e) Instructional Design:**

**i) Curriculum Design :**

The Post Graduate Programme in Assamese shall be of four semesters covering two academic sessions. A learner has to register 64 credits in two academic sessions. The two year programme shall consists of 16 compulsory courses. These 16 courses are of four (4) Credits, leading to a total of sixty four (64) Credits. Each course will include 2 assignments.

**Course Structure**

**(Semester I ) Total Credits-16**

(All courses are compulsory)

Course code	Course Name	No.of assignment	Tutorial	No. of Counsellig Season	Study Input	Credits
AS-101	Literary Theory and Criticism: Eastern and Western	02	120	12	120	4
AS-102	History of Early Assamese Literature	02	120	12	120	4
AS-103	Assamese Prose Literature (Selected Text)	02	120	12	120	4
AS-104	Development of Assamese Language and Script	02	120	12	120	4

**(Semester II ) Total Credits-16**

(All courses are compulsory)

Course code	Course Name	No.of assignment	Tutorial	No. of Counsellig Season	Study Input	Credits
AS-201	Comparative Indian Literature	02	120	12	120	4
AS-202	Assamese Poetry (Selected Text)	02	120	12	120	4
AS-203	Elements of Linguistics	02	120	12	120	4
AS-204	Assamese Drama	02	120	12	120	4

**(Semester III ) Total Credits-16**

(All courses are compulsory)

Course code	Course Name	No. of assignment	Tutorial	Counselling Hours	Study Input	Credits
AS-301	Trend and Tendencies of Modern Assamese Literature	02	120	12	120	4
AS-302	Cultural Studis and Sanskrit Literature	02	120	12	120	4
AS-303	Languages and Dialects of North East India	02	120	12	120	4
AS-304	Indo-Aryan Texts and Grammar	02	120	12	120	4

**(Semester IV ) Total Credits-16**

(All courses are compulsory)

Course code	Course Name	No. of assignment	Tutorial	Counselling Hours	Study Input	Credits
AS-401	Associate Indian Literature	02	120	12	120	4
AS-402	Introduction to Descriptive Analysis of Assamese Phonology	02	120	12	120	4
AS-403	Western Literature	02	120	12	120	4
AS-404	Introduction to Descriptive Analysis of Assamese Morphology	02	120	12	120	4

**Detailed Syllabi**

The M.A Assamese programme under Directorate of open and Distance Learning shall be conducted in four semesters. There are 16 courses in the curriculum of M.A. Assamese programme under Directorate of open and Distance Learning. The programme shall consists of 10 compulsory courses and 06 no.s optional courses. Each course is divided into a number of blocks and the blocks are divided into number of units.

**M.A. Assamese : Semester wise Distribution of Courses****(Semester I ) Total Credits-16**

(All courses are compulsory)

**Course As - 101****Literary Theory and Criticism: Eastern and Western****Total Credits 4    Total No. of units - 14****Block -I        :        Art and Literature**

(Art and its relation to Literature : Definition of Arts, Literature as an Art form, Literature and other Arts, Types of Literature and Literary isms ; Definition of Literature, Elements of Literature, Types of Literature, Romanticism, Classicism, Realism.)

**Block - II : Poetry, Prosody and Rhetoric**

(Poetry : Definition and forms of poetry, symbol and imagery ,Prosody : Rhythm and metre ; types of metre, blank verse, verse libre. Rhetoric : Concept of abhidha, lakshana and vyanjana ; dhvani and rasa ; alankara.)

**Block - III : Theory of Drama :**

(Drama and its forms Indian and Western Drama : Indian school of drama; Western school of drama, tragedy ; comedy and one act play.)

**Block - IV : Novel and Short Story**

(Novel : definition; structure; types and forms, Short story : definition; structure; types and forms.)

**Block - V : Essays and Literary Criticism**

(Essay; biography and autobiography style, Criticism: schools of criticism-historical, analytical, comparative, aesthetic etc.)

**Course AS-102**

**History of Early Assamese Literature**

**Total Credits 4 Total No. of units - 14**

**Block -I : Oral literature, Charyagiti, and Distinct periods of Assamese literature.**

(Oral literature ,Charyagiti, Distinct periods of Assamese literature, Pre-Vaisnavite period.)

**Block - II : Vaisnavite Literature**

(Literature of Sankaradeva and his followers.Panchali Literature.)

**Block - III : Post-Vaisnavite Literature**

(Different types of prose Literature..)

**Course As -103**

## **Assamese Prose Literature (Selected Text)**

**Total Credits 4 Total No. of units - 14**

### **Block - I : Development of Assamese Prose and Types of Assamese Prose.**

Development of Assamese Prose : Nature of Prose, Characteristics of Prose, Classification of Prose, Prose Style

Types of Assamese Prose (mantra, documents, iconography, diplomatic correspondences etc.)

### **Block - II : Early Prose Text**

Katha Bhagavata (Canto - II) : Bhattadeva

Guru Carit Katha (Ched -349 to 384) : M. Neog (Ed.)

Satsari Asom Buranji (7th Part from the collection) : S.K. Bhuyan

### **Block - III : Assamese Prose : Arunodoy Periods**

Printing Prechar Bibaran , Ramgatih Barnana, Jatrikar Jatra : Arundai

Bahire Rang-Chang Bhitari Kowabhatari (Page 1- 13) : Hemchandra Boruah  
Anandaram Dhekiyal Phukanor Jivan Charitra (Chapter - IV & V): Gunabhiram Boruah

### **Block - IV : Modern Assamese Prose**

Prose of Jonaki Period: Mor Jivan Sowaran (Chapter - VII & VIII) :Bezbaroa  
Jivanor Amiya : Satyanath Bora

Contemporary Assamese Prose

Moniram Dewanor Phanchi : Benudhar Sarmah

Aparadhir Bibek : Homen Borgohain

### **Block - V : Assamese Prose : Novel and Short Stories**

Novel ; Kecha Patar Kapani : Prafulladutta Goswami

Short Stories :Kathphula : Abdul Malik ,Sringkhal :Bhabendra Nath Saikia

Golam :Saurabh Kumar Chaliha ,Sanskar :Mamoni R. Goswami

(Selected prose texts shall be read from 'Asamiya Gadya Chayanika' edited by and Dr. A. Konwar and J. K. Borah)

**Course As - 104**

## **Development of Assamese Language and Script**

**Total Credits 4 Total No. of units - 14**

**Block - I : Introduction to Languages of Assam.**

Languages of Assam belonging to Indo-Aryan. Languages of Assam belonging to Sino-Tibetan, Austric and Dravidian families.

**Block - II : Origin and Development of the Assamese Language**

:

Sources of the Assamese Language . Different stages of its development.

**Block - III : Assamese and Contiguous languages.**

Elements of Assamese into contiguous languages. Elements of contiguous languages into Assamese.

**Block - IV : Assamese Phonology.**

General concepts of Phonology and Phonetics .Phonology of the Assamese Language.

**Block - V : Assamese script**

Origin of the Assamese script. Different stages of its development

**(Semester II ) Total Credits-16**

(All courses are compulsory)

**Course AS- 201**

**Comparative Indian Literature**

**Total Credits 4 Total No. of units - 14**

**Block - I : Comparative Literature.**

Its meaning and definition ; scope and development of comparative literature. Nature and method of comparative literature.

**Block - II : Comparative Indian Literature.**

Development of comparative literature in India; characteristics and nature of Indian literature from the viewpoints of comparison. Utility of studying comparative Indian literature, comparative literature in Assam.



**Block - III : Introduction to the study of the Themes.**

Thematology, Genre, influence, survival, reader response. Adaptation, reflection, impact, imitation, Intellectuality, Recreation.

**Block - IV : Translation**

Its meaning and definition ; methods and types of translation. Problems of translation; translation of creative literature, (5 marks for practical translation).

**Block - V : Comparison Practice.**

'Sandhiyar Sur' of Nlinibala Devi & 'Dipsikha' of Mahadevi Barma Or 'Ayodhyakanda' of Madhav Kandali & 'Ayodhyakanda' of Krittibasa. Vatsalya rasa in the writings of Surdas and Madhavdeva

**Course As - 202**

**Assamese Poetry (Selected Text)**

**Total Credits 4 Total No. of units - 16**

**Block - I : Early Assamese Poetry (Pre-Sankardeva)**

Charya No. 1 & 5 :Charyapada ;  
Lava Kushar Yuddha :Harivara Vipra  
Ramayana (Sundarakanda : Verses 4145-4193) : Madhav Kandali

**Block - II : Early Assamese Poetry : Vaisnavite Period)**

Kurukshetra :Sankardeva ;  
Namghosa (Except Namachanda) :Madhavdeva  
Manasa Kavya:Mankara

**Block - III : Romantic Poetry**

Bin Baragi :Chandrakumar Agarwala;  
Sandhiyar Sur:Nalinibala Devi

**Block - IV : Romantic Poetry**

Tumi :Ambikagiri Raychoudhuri  
Sagar Dekhicha : Devakanta Baruah

**Block - V : Modern Poetry**

Jatrar Shes Nai : Hem Boruah  
Lakhimi : Nava Kanta Boruah  
Prarthana : Dehchyuta Atmar : Mahendra Bora

Swapnavasavadatta: Nilamoni Phukan  
Ayojan Shes : Keshab Mahanta  
(Selected poems shall be read from "Natun Kabita" edited by Mahendra Bora)

**Course AS- 203**

**Elements of Linguistics**

**Total Credits 4 Total No. of units - 14**

**Block - I : Language and Linguistics.**

(What is Language, Definition of Language, Components of Language, Characteristics of Language, What is Linguistics, Definition of Linguistics, Linguistics as a Science, Development of Linguistics.)

**Block - II : Division of Linguistic studies and some major concepts of Linguistics.**

(Division of Linguistic studies (Viz. Descriptive, Historical, Comparative; Sociolinguistics, Psycho-Linguistics, Applied Linguistics). Some major concepts of linguistics (viz. Synchronic and Diachronic, Langue and Parole).)

**Block - III : Division of Linguistics**

(General idea of Phonology, Phonetics and Phonemics. General idea of Morphemics, Morphology and Syntax.)

**Block - IV : Language classification**

(Principle of Language classification, A general idea of the Language family of the World and their distribution. Indo-European Languages, Indian Languages and Sino-Tibetan Languages.)

**Block - V : Language types**

(Idiolect, Dialect, Social dialect, Pidgin and Lingua-franca. Register, State Language, National Language and Standard Language.)

**Course AS-204**

**Assamese Drama**

**Total Credits 4 Total No. of units - 14**

**Block - I : Origin and development of Assamese Drama**

(Origin and development of Assamese Drama. Different stages of its development.)

**Block - II : Early Assamese Drama**

(Rukmini Haran :Sankardeva.  
Arjun Bhanjan: Madhavdeva)

**Block - III : Nineteenth-Century Assamese Drama**

Ram Navami : Gunabhiram Boruah ,  
Mahari:Durgaprasad Majindar Baruah

**Block - IV : Modern Drama**

(Marjiyana : Atulchandra Hazarika ,  
Nayika Natyakar :Satyaprasad Boruah)

**Block -V : Contemporary Drama**

(Janma :Mahendra Borthukar;'  
Jarauruwa Paraza : Munin Bhuyan)

**(Semester III ) Total Credits-16**

(All courses are compulsory)

**Course As - 301**

**Trend and Tendencies of Modern Assamese Literature**

**Total Credits 4 Total No. of units – 14**

**Block –I : Arunoday period**

(Contribution of the Missionaries ,impact of Arunoday)

**Block - II : Assamese Romantic Literature.**

(Background of Assamese Romantic Literature.Western influence on different types of Assamese literature (novel, short story, drama etc.)

**Block - III : Modern Assamese Literature : Post-Romantic period up to 1950.**

(Novel, Short story, Drama, One-Act play; Children's Literature.

**Block - IV : Travel Literature, Biography and Autobiography.**

The development of travel literature in Assamese; its popularity. Biography and Autobiography of the post-war period.

**Block - V : Science Literature**

What it means; growth and development of Assamese Science literature. Its popularity and influence (novels, stories, dramas and prose writings).

**Course AS- 302**

**Cultural Studies and Sanskrit Literature**

**Total Credits 4 Total No. of units - 14**

**Block - I : Definition of culture and Assamese Culture from the Pre-historic to Modern period.**

Definition of Culture : What is Culture ? Types of Culture and Assimilation of different ethnic groups in early Assam. Assamese Culture from the Pre-historic to Modern period.

**Block - II : What is Folklore and Folk beliefs.**

What is Folklore ? Types of Folklore Tradition and various folk beliefs, General idea of onomastics.

**Block - III : Fairs and Festivals.**

Festivals in Assam ; Types of festivals. Folkdance and Folkmusic.

**Block - IV : General idea of Sanskrit Literature.**

Epic, Puran, Kavya. Drama, Lyric-Poetry.

**Block - V : Drama Texts**

Sakuntala: Kalidasa

Mricchakatikam : Sudraka

**Course As 303**

**Languages and Dialects of North-East India**

**Total Credits 4 Total No. of units - 14**

**Block - I : Studies of Languages of North-East India.**

General idea of the study of various languages and dialects of North-East India.

**Block - II : Major and Minor languages of different states of North-East India.**

Introduction to these languages and their present status.

**Block - III : General idea of Sino-Tibetan Languages of Assam**

Tibeto-Burman Languages of Assam : Boro, Rabha, Karbi, Mising, Deori.

Thai-Chin Languages of Assam : Khamti, Phake, Turung, Khamyang, Aiton

**Block - IV : Bilingual in Assam.**

Bilingual situation of the Tibeto-Burman Languages spoken areas of Assam with reference to Boro, Rabha, Karbi and Mishing languages. Bilingual situation of the Thai-Chin Languages : Khamti, Turung, Phake, Khamyang, Aiton.

**Block - V : Comparative study of Assamese and Sino-Tibetan Languages of Assam.**

Common linguistic features of these languages. Contrastive linguistic features of these languages.

**Course As 304**

**Indo-Aryan Texts and Grammar**

**Total Credits 4      Total No. of units - 14**

**Block - I : Indo-Aryan language.**

Brief history of its development.

**Block - II : Grammatical development of Sanskrit**

Vowel and consonant. Declination, Conjugation.

**Block - III : Grammatical development of Pali and Prakrit.**

Vowel and Consonant. Declination, Conjugation.

**Block - IV : Development of Assamese Language.**

Concept of Proto-Assamese. Development of Assamese Language.

**Block - V : Texts**

Ashokan Edicts : 1 and 2

Dhammapada : Appamada and Cittavarga

Karpuramanjari : Canto 1

Sandesa Rasaka : 1-10

**(Semester IV ) Total Credits-16**

**Course As 401**

**Associate Indian Literature**

**Total Credits 4      Total No. of units - 16**

**Block - I : Poetry**

Tagore's poem : Balaka (Selected 5 poems)

1. Ekatha Janite Tumi, Bhara Ishwar Sha-Jahan.
2. Jani Amar Pather Shabda Ratre Dine Shute Pao.
3. Tumi Ki Kebal Chabi Shudhu Pate Likha
4. Sandhya Raga Jhilimili Jhilmer Srutakhani Banka.
5. He Birat Nadi.

Nirbacita Bharatiya Kabita : Ed. by Dr. K. D. Hazarika &  
Dr.N.M. Bezborah

(selected 5 poems)

1. Eta Premor Gadya :Nabakanta Boruah
2. Kala Amathur Katha : Nirmal Prova Bordoloi
3. Taj :Sumitranandan Panta
4. Atithi Satkar : Ramakanta Rath
5. Deepmere Jala Akampita : Mahadevi Verma.

**Block - II : Drama**

Chandragupta :Jaysankar Prasad (Translated by Nirupama Phukan)

**Block - III : Novel**

Rathacakra : Narayana Pendese (Translated by Priti Baruah )

**Block -IV : Short Story**

Jivanor Bichitra Rang : Ed. By N.M. Bezborah & S.M. Choudhury  
(Selected 5 Stories)

Dui Nari :Amrit Pritam  
Khuri Aaita : Premchand  
JivanorBichitra Rang : Rajkisor Roy  
Karagar : Harikanta Jethwary

**Block - V : Autobiography**

Manar Pakhi Ubhati Ure: Prafulladatta Goswami

**Course AS- 402**

**Introduction to Descriptive Analysis of the Assamese Phonology**

**Total Credits 4 Total No. of units - 14**

**Block - I : Phonetics, Phonology and Phonemics**

Introduction to phonetics, phonology and phonemics.Division of phonetics.

**Block - II : Concept of articulatory phonetics.**

Organs of speech, speech sounds, production of speech sounds.

**Block - III : Concept of phonology.**

Phone, Phoneme, Allophone, Phonetic analysis. Stress, Pitch, Juncture, Tone, Intonation.

**Block - IV : Assamese phonemics.**

Assamese phonemics and their allophonic variations.

**Block - V : Assamese phonemic system.**

Nature of Vowel and Consonant ; Vowel and Consonant Cluster. Syllabic patterns, Stress and Juncture of Assamese.

**Course AS 403****Western Literature**

**Total Credits 4 Total No. of units - 14**

**Block -I : Romantic and Victorian Poetry**

Lucy Poems (5)	:	Wordsworth
Ode to the West Wind	:	Shelley
Ode to a Nightingale	:	Keats
Ulysses	:	Tennyson
My Last Duchess	:	Browning

**Block - II : Modern Poetry**

When You are Old	:	W.B. Yeats
Journey of the Magi	:	T.S. Eliot
Her Husband	:	Ted Hughes
Stopping by Woods on a Snowy Evening	:	Robert Frost
The Negro Speaks of Rivers	:	Langston Hughes

**Block - III : Fiction**

Wuthering Heights	:	Emily Bronte
The Old Man and the Sea	:	Hemingway

**Block - IV : Classical and Romantic Drama**

Electra	:	Euripides
Hamlet	:	Shakespeare

**Block - V : Modern Drama**

A Doll's House	:	Ibsen
Death of a Salesman	:	Arthur Miller

**Course AS- 404**

**Introduction to Descriptive Analysis of Assamese Morphology**

**Total Credits 4 Total No. of units - 14**

**Block - I : Introduction to Morphology.**

Morph, Morpheme and Allomorph. Identification of morpheme and syllable.

**Block - II : Types of Morphemes.**

Free and bound, roots. Inflection and derivation.

**Block - III : Assamese word formation and affixes-Krit, Taddhit.**

Assamese word formation. Affixes-Krit and Taddhit.

**Block - IV : Assamese morphemes.**

Classification of Assamese morphemes : roots, sub-roots and affixes. Inflection, derivation.

**Block - V : Grammatical categories in Assamese.**

Parts of speech, gender, Number. Case-endings, definitive, indefinite, tense

**(A) Duration of the Programme:**

A Post-Graduate programme under Directorate of Distance and Open Learning , Dibrugarh University shall be conducted in two parts - Previous and Final. Minimum duration for the programme is two years and maximum is five years.

**(B) Faculty and support Staff requirement:**

There is one full time faculty at Directorate of Distance and Open Learning, Dibrugarh University with supporting faculties from the conventional Department of Dibrugarh University and faculties from neighboring colleges.

Office staff - One office –assistance and one peon at Directorate of Distance and Open Learning, Dibrugarh University

**(C) Identification of Media and Student Support Service System :**



- i) **Self Learning Materials/ Self Instructional Materials:** The M.A. in Assamese Programme would be offered through Open and Distance mode with the help of adequate Self Learning Materials for each Course (Paper). These Materials are specially prepared to help self-study by including feature that provides continuous feedback on performance and devices for self learning. Study materials with Guidelines (in Print form) will be supplied to a student at the time of admission.
- ii) **Counselling:** Weekend counselling sessions, face to face counseling, telephonic counseling.
- iii) **Radio Programmes GYAN -MALINEE :** Recorded lectures and discussion would be provided through Radio Broadcasting Programme 'Gyanmalinee', to be broadcasted from All India radio Dibrugarh Centre, (M/W- 521.1) on every Thursday at 8pm from All India Radio.
- iv) **Multi-media CDs :** The Directorate has decided to provide its learners with course related Video CDs, which may give a good support to the learning process of the learners.
- v) **Bulk SMS:** The Bulk SMS to the learners providing information regarding Counselling programmes, Personal Contact programmes, Assignments, Date and Results of Examination, other Administrative and Examination related information. Updating all the necessary information in the website [www.ddedu.dibru.ac.in](http://www.ddedu.dibru.ac.in)
- vi) **Internet facility :**  
All enrolled students of the Directorate can avail various facilities by logging in the website [www.ddedu.dibru.ac.in](http://www.ddedu.dibru.ac.in) Apart from the general information some of the facilities like Assignment questions, important dates, Result, Already broadcasted Radio programmes, etc. are also given in the website.

#### **(D) Procedure for admissions, curriculum transaction and evaluation:**

##### **Programme – M.A in Assamese**

##### Admission procedure:

- (i) Graduates (10 + 2 + 3 pattern) from any recognized university in the Major or Honours or General courses may apply for admission into a post-graduate course offered in Distance Education, D.U. and get themselves registered as learners of Distance Education, D.U.
- (ii) Provisionally admitted learners shall have to produce the transcript issued by the institution last attended or, the original mark sheet and other testimonials for verification at the Office of the DODL, D.U. as and when call for. On production of transcript/original mark sheet and other testimonials their admission to the DODL, D.U. will be confirmed latest by January.
- (iii) Students admitted shall be issued enrolment no.
- (iv) Notwithstanding any rules and procedures, a student may be refused admission if his/her past conduct in the educational institution last attended has not been satisfactory. A student who has been expelled/ rusticated or disqualified by the university may also be refused admission.
- (v) Admission of a student can be cancelled at any stage if it is found that he/she furnished incorrect information or has suppressed facts to secure admission. If any dispute arises out of such refusal/ cancellation, the decision of the Vice-chancellor, D.U. shall be final.
- (vi) The fees for the Post-Graduate Programmes in Distance Education shall be fixed by the university from time to time. Such fee shall include Admission Fee, Counseling Fee, Course Material Fee, Postal charges etc., payable in single installment at the time of admission. No cash deposition of fees shall be considered. Fees shall be accepted only in the form of a demand draft. Otherwise online payment mode of fees is highly recommended.
- (vii) The subject taken for M. A. / M. Com. programme may not necessarily be one of the subjects in his/her degree course. The candidate may be allowed to appear in any subject having relevant/ allied subject at the degree level.
- (viii) Mathematics in Degree level is a mandatory requirement for the learner who wants to take admission into the M.A. / M.Sc. Programme in Mathematics.
- (ix) A Master Degree holder under Distance Education may be allowed to appear at the Master Degree Examination again in a different programme or group if otherwise eligible. But two simultaneous degree of any kind in any mode of education in the same institution or /and in different institution shall not be allowed.
- (x) Medium of Instruction (course materials & counseling) and Examination for the courses shall be English except for M.A. in language subjects.
- (xi) Study materials with Guidelines will be supplied to a student within a month from the last date of admission.

Admission notices/advertisements for various programmes of the Directorate of Open and Distance Learning, Dibrugarh University, are published in leading newspapers, both English and

Assamese, at least forty-five days prior to the date of admission. Other than the DODL website [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in), it is also notified in the Dibrugarh University website, [www.dibru.ac.in](http://www.dibru.ac.in). Candidates are to apply in the prescribed Application form only. Apart from the online admission process, the admission form along with the Prospectus for offline mode can be downloaded from the website [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in).

### **(E) Admission Fees**

Rs 2500 (Course Fee / Semester) + 900 (Counseling Fee / Semester) + 400 (Enrolment Fee for the entire period of study to be paid only at the time of first entry level) + 300 (Gymkhana Fee for the entire period of study to be paid only at the time of first entry level)\*

\* The Gymkhana Fee of Rs. 300/- is meant only for the learners of Dibrugarh University DODL Study Centre and the same goes to the University General Fund use explicitly for Student Activities.

### **(F) Schedule of Programme:**

A Post-Graduate programme under Distance Education shall be conducted in four parts – (Semester I, Semester II, Semester III and Semester IV). The schedule for the Distance Education System shall be as shown below:

- (i) Odd Semesters (i.e., First and Third) : July to December (including End Semester Examinations)
- (ii) Even Semesters (i.e., Second and Fourth): January to July (including End Semester Examinations)

The total marks in a Post-Graduate Programme in Distance Education shall be as follows:

- (a) All the M.A. /M.Sc. / M.Com. Programmes of DODL, D.U. are of 2-years duration and the total credit ranges from 64-72.
- (b) Total marks for the two years M.A. /M.Sc. / M.Com. Programmes of DODL, D.U. shall be 1600 per programme.
- (c) 20% of the marks in each course shall be assessed through assignments
- (d) Rest 80% of the marks in each course (paper) shall be assessed through University End Semester Examination.

The syllabus for each course (paper) shall be divided into block and units keeping in view the Credit value of the course. The norms for delivery of courses through distance mode are as under:

Credit Value of the course	Study input (hours)	Size of SLMs (unit)	No. of Counselling Sessions Theory (10% of total Study	* Practical Session (hours)

			hours)	
2 credits	60	6 – 8	6	60
3 credits	90	10-12	9	90
4 credits	120	14 – 16	12	120
6 credits	180	20 – 24	18	180

\* Some Programmes have practical component also. Practicals are held at designated institutions/ study centres for which schedule is provided by the study centre. Attendance at practical is compulsory.

**(G) Assignment:**

- (i) Assignment shall be a compulsory component of the evaluation process.
- (ii) 20% of the each course (paper) shall be assessed through Assignments (Inter Assessment – In Semester Examination). Rest 80% of the marks in each course (paper) shall be assessed through University End Semester Examination
- (iii) The assignments to be submitted by a student would depend upon the Credit value of the Course, as follows:

Credit value of the course	No. of Assignments
2 Credits	1
3 credits	2
4 credits	2
6 credits	2

- (iv) A candidate may submit assignments in the office of the Directorate of Distance Education or at the Study Centres within the stipulated time. Subsequently the study centres shall transmit all the assignments programme-wise and course-wise to the office of the DODL for assessment.
- (v) Marks secured on the assignments by the candidates, who appeared in the examinations but failed, shall be carried over to the next permissible chances.
- (vi) Marks secured on the assignments by the candidates who filled in the examination forms but did not appear in the examination, shall also be carried over the next permissible chances.
- (vii) A candidate who fails to submit the assignments as per clauses shall be awarded zero in the In Semester Examination in the course where assignment(s) is (are) not submitted.
- (viii) The Internal Assessment evaluation system for the Post Graduate Programme under DODL, Dibrugarh University shall also be assessed and evaluated in OMR

(Optical Marks Response) Sheet through Multiple Choice Objective Type Questions and Answers by conducting mid-term examinations.

**(H) Medium and Method of Instruction :-**

- Assamese shall be the medium of instruction both in the classroom as well as in the Examination.
- The counselling sessions for M.A. Assamese programme shall be conducted at The directorate of Open and Distance Learning, Dibrugarh University and various study centres approved by the DODL, D.U. Normally Weekend Counselling sessions are held as per schedule drawn in the Study Centre.

**(I) Curriculum transaction**

Weekend counselling sessions, face to face counseling, telephonic counseling, radio talk 'Gyanmalini', Mobile app, Audio – Video CD.

**(J) Examination and Evaluation**

- (i) Examination and Evaluation shall be done on a continuous basis
- (ii) There shall be 20% marks for internal assessment (In Semester) and 80% marks for End Semester Examination in each course during every Semester.
- (iii) There shall be no provision for re-evaluation of the answer – scripts of the End Semester Examinations. However, a candidate may apply for re-scrutiny.
- (iv) Internal assessment is assignment based or OMR based.
- (v) End Semester Examination:
  - (a) There shall be one End Semester Examination carrying 80% marks in each course of a Semester covering the entire syllabus prescribed for the course. The End Semester Examination is normally a written / laboratory-based examination.
  - (b) The Controller of Examinations shall then make necessary arrangements for notifying the dates of the End Semester Examinations and other procedures as per Dibrugarh University Rules (at least 20 days in advance) and the Academic Calendar / Date Sheet notified by the University / DODL, Dibrugarh University.
  - (c) The End Semester Examination for each course shall be of three hours duration.
  - (d) Setting of question papers, moderation of question papers, evaluation of answer scripts, scrutiny, tabulation of marks etc. and announcement of result of results, shall be governed by the Dibrugarh University Examination Ordinance 1972 (as emended up to date).
- (vi) Betterment Examination:
  - (a) A learner shall be entitled to take the “Betterment Examination” in any two theory courses of any of the four semesters after passing the Fourth Semester Examination only once. In this case the higher marks secured by the student

shall be retained. The learner shall have to apply for betterment examination within one year after passing the Fourth Semester Examination.

(b) No betterment shall be allowed in the practical examination.

- (vii) A learner shall be declared as passed a course, provided he / she secures –
- (a) at least 45% marks in each course (paper) in the End Semester Examination.
  - (b) at least 45% marks in the course (paper) in aggregate in the In-and-End-Semester Examination.
- (viii) A learner shall be declared as passed a Semester, provided he / she passes all the courses of a Semester independently.
- (ix) The marks of In – Semester Examinations (i.e., Internal Assessment) obtained by the learner shall be carried over for declaring any result.
- (x) A learner who fails or does not appear in one or more courses of any End Semester Examinations up to Fourth Semester shall be provisionally promoted to the next higher Semester with the failed course(s) as carry over course(s). Such learners will be eligible to appear in the carry over course in the next regular examinations of those courses. However, the following restrictions shall be applicable:
- “A learner shall be entitled to avail the chance for a maximum of 5 consecutive years from the date of admission to clear a course or courses as well as the whole programme”.**
- (xi) If a learner clears the Fourth Semester Examination before clearing all the courses of the previous semesters, the result of such candidate shall be kept withheld and his / her results shall be announced only after he / she clears the courses of the previous semesters.
- (xii) A learner must pass all his / her Semester Examinations within 5 years from the date of admission to the First Semester of any programme.
- (xiii) A learner shall be declared to have passed the Fourth Semester M.A. / M. Sc. / M. Com. Degree Programme provided he / she has passed all the Semesters and in all the course separately.
- (xiv) The system of evaluation in DODL, D.U. is different from that of the Conventional Department of the University. It has a multi-tire system of evaluation:
- (a) Self-assessment exercise within each unit of study.
  - (b) Continuous evaluation mainly through assignments and/or Internal Assessment Examination through Multiple Choice Questions (MCQ) using OMR sheet.
  - (c) Term-end examination.
  - (d) Project work (Programme specific)
- (xv) The marks secured by a student in the Assignment / IA – In Semester Examination (20% of each course) is added with the marks secured in that course in End Semester examination which is 80% of the course.
- (xv) The following scale of grading system shall be applied to indicate the performance of students in terms of letter grade and grade points as given below:

% of marks obtained in a course (Assignment + Term End)	Letter Grade	Grade Point	Qualitative Level
Above 95	O	10	Outstanding
85 – < 95	A <sup>+</sup>	9	Excellent
75 – < 85	A	8	Very Good
65 – < 75	B <sup>+</sup>	7	Good
55 – < 65	B	6	Above Average
50 – < 55	C	5	Average
45 – < 50	P	4	Pass
Below 45	F	0	Fail
0	Abs/I	0	Absent / Incomplete

(xvii) The letter Grade ‘B<sup>+</sup>’ and above shall be considered First Class; the Letter Grade (s) ‘B’ to ‘P’ shall be considered as Second Class. However, letter Grade ‘B’ shall be considered as Second Class with minimum of 55% marks.

(xviii) A learner is considered to have completed a course successfully and earned Letter Grade other than ‘F’ (Failed) or Abs / I (Absent / Incomplete).

(xix) If a learner secures ‘F’ Grade in a Course, he / she shall have to reappear in the Course in the next legitimate chance.

(xx) Result of the learners appeared in the ‘Betterment’ examination shall not be counted for the award of Prizes / Medals / Rank or Distinction.

(xxi) A learner shall have to pay a prescribed fee to appear in the ‘Betterment’ Examination fixed by the University from time to time.

### **(K) Conversion of Marks to Grades and Calculation of GPA (Grade Point Average)**

In the Credit and Grade Point System, the assessment of individual courses in the concerned examinations will be on the basis of marks only, but the marks shall later be converted into Grade by some mechanism wherein the overall performance of the learners can be reflected after considering the Credit Points for any given course. However, the overall evaluation shall be designated in terms of Grade. There are some abbreviations used here that need understanding of each and every parameter involved in grade computation and the evaluation mechanism. The abbreviation and formulae used are as under:

#### **Abbreviations and Formula’s Used:**

G : Grade

GP : Grade Points

C ; Credits

CP : Credit Points

CG : Credit X Grade (Product of Credit & Grades)

$\Sigma$  CG : Sum of Product of Credits & Grade Points

$\Sigma$  C : Sum of Credit Points.

$$\text{GPA} = \frac{\sum \text{CG}}{\sum \text{C}}$$

GPA : Grade Point Average shall be calculated for each Previous and Final Year Examination.

CGPA : Cumulative Grade Point Average shall be calculated for the entire programme by considering both Previous & Final Year taken together. It shall be calculate by the formula given below:

$$\text{CGPA} = (\sum C_{ni} G_{ni}) / (\sum C_{ni})$$

Here,

$C_i$  = number of credit for the  $i^{\text{th}}$  course,

$G_i$  = grade point obtained in the  $i^{\text{th}}$  course,

$C_{ni}$  = number of credit if the  $i^{\text{th}}$  course  $n^{\text{th}}$  the year,

$G_{ni}$  = grade point of the  $i^{\text{th}}$  course of the  $n^{\text{th}}$  year

After calculating the GPA for an individual year and the CGPA for the entire Programme, the value can be matched with the grade in the Grade Point table in (xvi) above

\* GPA and CGPA shall be rounded off to 2 decimal points and reported to the Grade Card (Sheet) and Transcript.

#### **(L) Conversion Formula:**

Ordinarily the CGPA earned by a student may be converted to percentage of marks by following the formula mentioned as under:

$$\text{CGPA} \times 10 = \text{Percentage of Marks}$$

#### **(M) Grade Card / Sheet (Reporting of Learners Performance):**

The Grade Card / Sheet issued at the end of end term examination to each learner shall contain the following:

- The marks obtained by a learner in each course,
- The credit earned for each course registered for that year,
- The performance in each course indicated by the letter grade,
- The Grade Point Average (GPA),
- The cumulative Grade Point Average (CGPA) and
- Conversion formula.

#### **(N) Transcript:**

The University may issue consolidated Transcript on request to the Controller of Examinations which shall contain letter grades, grade points, GPA and CGPA mentioning the Course Title in detail, medium of instruction and programme duration.

#### **(O) Rules for admission of Unsuccessful and Absentee Candidates**

Unsuccessful learners fails to complete programme within the stipulated time may take re admission in the programme by paying fees fixed by the University from time to time.



**(P) General:**

For any matter not covered under these Regulations for the Directorate of Open and Distance Learning, the existing Dibrugarh University Rules, Ordinances and the Dibrugarh University Act, 1965 (as amended), The Dibrugarh University Examination Ordinance, 1972 (as amended up to date) and the Dibrugarh University Distance Education Ordinance, 2006 (amended up to date) shall be applicable.

**(Q) Requirement of the laboratory support and Library Resources:**

The Programme does not require laboratory support. The directorate of Open and Distance Learning, Dibrugarh University has a Library for its learners with sufficient books to help them. It has provision for distance learners to read as well as borrow books. Moreover, there is a provision for the learners to access the Dibrugarh University main library, Lakshminath Bezboroa Granthagar, with a present holding of approximately 175815 books and rare publications, apart from 18718 back volumes of journals, 3030 theses and dissertations. There is also a small library at DODL, DU attached with a reading room for the distance learners. It has more than 5,500 textbooks and reference books regarding different subjects including Mathematics..

**(R) Cost estimate of the programme and the provision:**

Keeping an eye on the number of applicants applying for the conventional Master Degree in English at Dibrugarh University and the yearly output of Degree learners with major in English from various affiliated Colleges under Dibrugarh University, it can be estimated that around six-seven hundred learners may seek admission to this Programme. If the cost estimate is calculated on 100 learners, the approximate cost is as follows:

Approximate earning (per 100 learners per annum)	= Rs. 720000/-
Development ( <i>SLM writing, editing, review, printing cost, recording, radio slots, remuneration, etc.</i> ):	= Rs. 450000/- (approx.)
Delivery ( <i>Postage, courier, door delivery, etc.</i> ):	= Rs. 20000/- (approx.)
Maintenance ( <i>Syllabus revision, SLM revision, Committee expenses, etc.</i> ):	= Rs. 10000/- (approx.)
Staff Payment and other Expenses	= Rs. 200000/- (approx.)
Total expenditure (approx.)	= Rs. 680000/-
Hence, total earning per 100 learners	= Rs. (720000.00 - 680000.00) = Rs. 40000.00

**(S) Quality assurance mechanism and expected programme outcomes:**

Dibrugarh University is committed to providing quality education to all. The Directorate of Distance and Open Learning, Dibrugarh University has a mission to reach the unreached, but keeping in view the standard of curriculum and the instructional design relevant to the area of study concerned. As such, every attempt has been made to make each and every component of the teaching-learning process (for eg. the Self Learning Materials, the syllabus, the examination process, etc.) up-to-date as well as of high quality and sound relevance to the learners.

(T) There is the Internal Quality Assurance Cell for evaluating and reviewing of the course mechanisms and for monitoring the effectiveness of the programme.

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# **PROGRAMME PROJECT REPORT**

**PROGRAMME – MASTER OF ARTS (M. A.) IN ECONOMICS: SEMESTER MODE**

**PREPARED BY CIQA, DODL, DIBRUGARH UNIVERSITY FOR THE ACADEMIC SESSION 2020-  
21 ONWARDS**

## **PRESENTED BEFORE**

- The Second Meeting of CIQA Committee on 29.11.2019 for onward process

*Forwarded under report to the forthcoming meeting of BoM and BoS to recommend to the  
statutory bodies*

## **PLACED BEFORE**

- The 150<sup>th</sup> Meeting of the Post Graduate Board on 05.12.2019

## **RECOMMENDED BY THE**

- The 150<sup>th</sup> Meeting of the Post Graduate Board to the 118<sup>th</sup> Meeting of Academic Council for Approval

**APPROVED BY THE HON'BLE VICE CHANCELLOR UNDER REPORT TO THE ACADEMIC  
COUNCIL**

## **PROGRAMME PROJECT REPORT**

### **PROGRAMME – MASTER OF ARTS (M.A.) IN ECONOMICS: SEMESTER MODE**

#### **PREPARED BY CIQA, DODL, DIBRUGARH UNIVERSITY FOR THE ACADEMIC SESSION 2020-21 ONWARDS**

##### ***Introduction***

Dibrugarh University (DU) started offering Post Graduate Programme in Economics through distance mode since 2001. Over the years, DU has lived to the learners expectations of providing the opportunity for higher studies in Economics to the changing needs and contexts of learners while responding to the imperatives of the workplaces of the future.

##### ***(a) Mission and Objectives***

###### ***Mission***

To provide quality higher education in Economics to the door step through barrier less, flexible and open learning mode with emphasis on relevance and inclusion.

###### ***Objectives***

The programme is designed to achieve the following objectives

- To offer an opportunity to learners for higher studies in Economics.
- To gain understanding of core economic principles and how they apply to a wide range of real world issues.
- To provide a general understanding of the functioning of the economic system, and the role of institutions, groups and regions within that system.
- To expose learners to alternative paradigms of economic theory and their application to contemporary national and international problems.
- To acquaint learners in some emerging areas in Economics such as finance, environment, sustainable agriculture that are expected to be extremely useful in the present scenario of economic liberalization and globalization.
- To master the theoretical and applied tools necessary to critique and create economic research.
- To help students in acquiring analytical and empirical skills necessary to succeed in securing professional employment or admission to appropriate post-graduate programs.

##### ***(b) Relevance of the Programme with HEI's Mission and Goals:-***

Since its inception in 2001, [MA programme](#) in economics under distance mode is a very important teaching programme, in achieving goals of the University. With the inherent flexibility and openness, the programme is offering courses to the learner's expectations and reaching the unreached. The course structure incorporates a balance of theoretical analysis & quantitative reasoning. The programme attracts a talented pool of students from varied undergraduate backgrounds, including not only economics but also mathematics, physics, and engineering etc. Apart from that, this programme is designed to meet the various academic and employment needs of the people in the region, especially of the disadvantaged sections of the society and people from rural areas. Learners get exposure to a wide range of courses and also gain experience in doing field work, analysing data, handling statistical software packages, making presentations and writing reports and papers.

##### ***(c) Nature of prospective target group of the learners***

The target groups identified for this Programmes are (a) graduates intending to improve their chances of employments on successful completion of this programme, (b) in service personnel looking forward to improve their skills and knowledge to enable to go up in the ladder in their own organization or elsewhere and (c) individuals who are unable to pursue higher education in Economics due to different reasons.

##### ***(d) Appropriateness of the Programme to be conducted in Open and Distance Learning to acquire specific skills and competence:***

The study of economics helps to formulate an understanding of the effects of financial actions and reactions by individuals and institutions. It is the subject that helps us to make rational decisions in a situation of scarce resources with alternative uses. Choice is the heart of all decision making. Individuals,

businesses and governments are all faced with making choices in situations where resources are scarce. This is where knowledge of Economics is vital. The MA Programme in Economics programme aims to provide a thorough grounding in the principles of Economics while developing critical skills for a wide range of real world professional situations. Due to its combination of verbal reasoning and mathematical and quantitative analysis this degree will prepare a learner for a career as an economist in industry, finance, government or international organizations. It will also prepare for a range of other careers where these skills are valued.

(e) ***Instructional Design***

***Student Support Services***

The MA Programme in Economics is offered through Distance mode with multi-channel, multiple media teaching / learning packages for instruction and self learning. The different components used for teaching/learning include self –instructional print and audio-video materials, radio broadcasts, face-to –face counseling(Weekend counseling in every Saturdays and Sundays),video conferencing, multi-media CDs, internet based learning and the use mobile phones for instant messaging. In this programme, while the traditional distance education delivery through print and study centre support is being strengthened, the Directorate is also strengthening the development of interactive multimedia content and learner support through video conferencing and web-based facilities by utilizing the Internet.

***Curriculum Design***

The MA Programme in Economics under distance mode at the Dibrugarh University is a two year academic programme. The core elements of the programme includes advanced level exposure to microeconomics, macroeconomics, mathematical economics, econometrics and the learners also receive an in-depth knowledge of the concepts, theories, techniques, policies and other applications in environmental, agricultural, demographic and natural resource economics .The core strength of the programme lies in its innovative curriculum, which integrates the strengths of economic theory with the rigour of economic analysis. As a programme with specialization, it equips its learners to pursue a career in the different workplaces, continue their research in the form of higher academic degrees in India and overseas.MA economics is a full-time programme and is divided into four semesters .The programme of study consists of 14 core courses which are compulsory and 2 courses are based on specialization option (Elective Courses) of two broad area.

## Course Structure of M.A. in Economics Programme

The Post Graduate Programme in Economics shall be of four semesters covering two academic years. A learner has to register in courses of minimum 64 credits in two academic sessions.

First Semester : 16 Credit(Compulsory)

Second Semester: 16 Credit (Compulsory)

Third Semester : 12 Credit(Compulsory) + 04 Credit (Elective) (Group A or Group B)

Fourth Semester: 12 Credit (Compulsory) + 04 Credit (Elective) (Group A or Group B)

Semester	Course Code	Title of the Course	Credits	Study Input(Hours)	Size of SLM(in terms of units, to be divided into blocks)	No of Counseling sessions(10%of total study hours)	No. of Assignments
1st	ECO10100	Microeconomic Theory-I	4	120	14	12 hours	2
	ECO10200	Macroeconomic Theory	4	120	14	12 hours	2
	ECO10300	Public Finance	4	120	14	12 hours	2
	ECO10400	Issues on Indian Economics	4	120	14	12 hours	2
2nd	ECO20100	Microeconomic Theory-II	4	120	14	12 hours	2
	ECO20200	Monetary Theory	4	120	14	12 hours	2
	ECO 20300	Statistics for Economic Analysis	4	120	14	12 hours	2
	ECO 20400	Regional Economics	4	120	14	12 hours	2
3rd	ECO 30100	International Economics	4	120	14	12 hours	2
	ECO30200	Mathematics for Economic Analysis	4	120	14	12 hours	2
	ECO30300	Development Economics-I	4	120	14	12 hours	2
4th	ECO40100	Development Economics –II	4	120	14	12 hours	2
	ECO 40200	Environmental Economics	4	120	14	12 hours	2
	ECO 40300	Econometrics	4	120	14	12 hours	2
<b>ELECTIVE COURSES</b>							
3rd	ECO30410	Economics of Agriculture(Group-A)	4	120	15	12 hours	2
	ECO30420	Demographic Analysis(Group-B)	4	120	14	12 hours	2
4th	ECO40410	Rural Development(Group-A)	4	120	10	12 hours	2
	ECO40420	Population Studies (Group-B)	4	120	16	12 hours	2

## **Details of MA in Economics Syllabus**

### **FIRST SEMESTER**

#### **FIRST SEMESTER**

**Course Code: ECO10100**

**Title of the Course: Microeconomic Theory-I**

**Marks: 100(Term-end Examination:80 +Internal Assessment:20 )**

#### **BLOCK 1 : BASIC CONCEPTS OF MICROECONOMICS AND THEORY OF DEMAND**

Micro static, dynamic and comparative static analysis; Economic models; Concepts and importance of firm and industry; Criteria for the classification of firms into industries; Criteria for the classification of marks; Partial and general equilibrium; Elasticities of demand-price, cross and income; Elasticity of supply.

#### **BLOCK 2: THEORY OF CONSUMER BEHAVIOUR**

Cardinal utility theory; Indifference Curve Analysis (income, substitution and price effects, Slutsky theorem, compensated demand curve) and their applications; Revealed preference theory; Consumer surplus; Consumer choice involving risk; Recent developments in demand analysis-Pragmatic approach.

#### **BLOCK 3: THEORY OF PRODUCTION AND COSTS**

Production function and its graphical representation, Law of variable proportions and returns to scale; Technological progress and production function; Equilibrium of the firm; Choice of optimal combination of factors of production; Choice of optimal expansion path; Graphical derivation of cost curves from production function; The production possibility curve of a firm; Equilibrium of a Multi-product- firm. Traditional and modern theories of costs - The envelop curve, The L-shaped scale curve; The analysis of economies of scale-real and pecuniary economies of scale; The relevance of the shape of cost curves in decision making.

#### **BLOCK 4: THEORY OF PRODUCT PRICING**

##### **Theory of Firm:**

Traditional and modern theories of Firm - basic differences, concept of break-even point and its practical utilities, Managerial theory of firm-Baumol's sales revenue maximization model.

##### **Perfect Competition:**

Short run and long run equilibrium of the firm and industry; Supply curve.

**Monopoly:** Short run and long run equilibrium, Price discrimination and its effects; The Multi-plant firm; Bilateral monopoly.

**Monopolistic Competition:** Equilibrium of the firm-Product differentiation and the demand curve; The concept of industry and group.

**Oligopoly:** Non-collusive oligopoly - Cournot's duopoly model, Chamberlin's oligopoly model, Kinked-demand model, Collusive oligopoly-Joint profit maximization, Market sharing cartels; Price leadership, Theory of limit pricing; Bain, Sylos-Labini, Modigliani and Bhagawati.

### **Reading List:**

1. Koutsoyiannis, A Modern Microeconomics, ELBS with Macmillan Publication, London.
2. Henderson & Quandt : Microeconomic Theory, McGraw Hill, New York.
3. Samuelson, P.A. : Economics, McGraw Hill, New York.
4. Stonier, W & Hague, D.C. : A Text Book of Economic Theory, Longman, London.
5. Rubinfield & Pindyck: Micro Economics McGraw Hill, New York.
6. David N. Hyman : Economics 4th Ed. Irwin, Chicago.
7. Shastri, Rahul A. : Microeconomic Theory, Universities Press (India Ltd.) Hyderabad.
8. Chopra, P.N.: Advanced Economic Theory, Kalyani Publishers, Ludhiana
9. Ahuja, H.L. : Advanced Economic Theory-Micro Economic Analysis, S. Chand & Co., New Delhi.

## **FIRST SEMESTER**

**Course Code: ECO10200**

**Title of the Course: Macroeconomic Theory**

Marks: 100(Term-end Examination:80 +Internal Assessment:20 )

### **Block-1: National Income**

Gross National Product, Net National Product. National Income, Personal Income, Disposable Personal Income, Real and nominal GNP .Circular flow of national income in two. three and four sector economy;Gross capital formation, Net capital formation. Capital-output ratio, National income and economic welfare.

### **Block-2: Classical and Keynesian Approaches to Macroeconomics**

Classical theory of employment and output determination, Keynesian theory of employment and output; The consumption function, The investment function; Aggregate demand and aggregate supply approach; Saving-investment approach.

The concept of Investment multiplier and its diagrammatic representation; The Balanced Budget Multiplier.

### **Block-3: Product and Money Market Equilibrium**

Product market and the IS curve. The money market and the LM curve; The General equilibrium in the IS-LM framework. Shifts in the IS and LM curves; Relative effectiveness of monetary policy and fiscal policy.

### **Block- 4: Income-Consumption relationship:**

Absolute Income Hypothesis. Relative Income Hypothesis-Demonstration effect and Ratchet effect. Permanent Income Hypothesis and its implications; Life Cycle Hypothesis and its implications.

### **Block-5: Macroeconomic policies**

Monetary and Fiscal policies and their relative effectiveness, The Philip's curve, Friedman-Phelps approach, Rational Expectations approach. Stabilisation policies, Incomes policy; Problems of Stabilization policies; Supply side economics.

### **Reading List :**



1. N. Gregory Mankiw : Macroeconomics, (Ind Edn. CBS Publishers & Distributors, 485, Jain Bhawan, Bhole Nath Nagar, Shahdara, Delhi - 110032).
2. Michael Patkin : Macroeconomics, Addison -Wesley, NY, 1990.
3. Lawrence Harris: Monetary Theory (3rd Edn.), McGraw Hills, NE, 1995.
4. T.J. Sargent : Macroeconomics & Mathematical Economics (6th Edn), Academic Press, N.T., 1994.
5. Todaro, M.P. & Smith: Development Economics, Pearson Education.
6. F.S. Mishkin : Money, Banking and Financial Markets (2nd Edn.), Scott, forestnan & Co., 1989.
7. David Romer : Advanced Macroeconomics, McGraw Hills, NY, 1996.

## **FIRST SEMESTER**

**Course Code: ECO10300**

**Title of the Course: Public Finance**

Marks: 100(Term-end Examination:80 +Internal Assessment:20 )

### **BLOCK 1: PUBLIC FINANCE-ROLE, APPROACH AND SOME BASIC CONCEPTS**

Role of Public Finance in developing economies and its distinction from developed economies, Government as an agent for economic planning and development; Government in different economic set up; Functional and normative approach to Public Finance; Optimum Budget Model.Characteristics of public goods-market failure-imperfection, decreasing cost, Externalities; Public goods Vs. private goods; Merit goods, mixed goods; Market failure- imperfection, decreasing cost, Externalities.

### **BLOCK 2 : TAXATION**

The Benefits-Received approach and the Ability to pay approach, Critical study of traditional and modern theories of taxation; Neo-Classical and Modern concept of incidence. Meaning, Importance - and Limitations.Salient features and defects, Recent tax reform measures, Role of taxation in economic development.

### **BLOCK 3 : PUBLIC EXPENDITURE AND PUBLIC DEBT**

Structure and growth of public expenditure; Wagner's theory of public expenditure and other modern theories-Erik Lindahl, H.R. Bowen and P.A. Samuelson, Investment criteria, Cost-benefit analysis; Shadow pricing and External Cost and Benefit; Role of public expenditure in economic development.Role and burden of public debt, shifting of debt burden; Principles of debt management and repayment of public debt.

### **BLOCK 4: FISCAL POLICY AND FEDERAL FINANCE**

Role and objectives in both developing and developed countries, Distinction between fiscal and revenue deficits, Balanced budget multiplier and its implications. Fiscal federalism; principles and policies of federal government; Methods of resource transfer in a federation.

### **BLOCK 5 : PUBLIC BUDGET, PUBLIC UTILITIES AND PUBLIC ENTERPRISES**

Types of public budget, Economic and functional classification of budget; Zero-based budgeting, Programme and Performance budgeting; Budget as an instrument of economic policy.Rights, duties and characteristics of public utilities; pricing of public utilities and its distinction from the pricing of public enterprises; Distinction between public utilities and public enterprises.

### **Reading List:**

1. Musgrave and Musgrave : Theory & Practice of Public Finance, McGraw Hill Kogakusha Ltd., Tokyo.
2. Prest, A.R. Public Finance in Theory & Practice, Vikash Publications Ltd., New Delhi.
3. Tripathy, R.N. Public Finance in Underdeveloped Countries, The World Press Pvt. Ltd., Calcutta.
4. Musgrave : Theory of Public Finance, McGraw Hill Book Company INC New York.

5. Taylor : Economics of Public Finance, Oxford & IBH Publishing Company, Calcutta.
6. Choudhury, R.K. : Public Finance and Fiscal Policy, Kalyani Publishers, Ludhiana.

## **FIRST SEMESTER**

**Course Code: ECO10400**

**Title of the Course: Issues on Indian Economics**

Marks: 100(Term-end Examination:80 +Internal Assessment:20 )

### **BLOCK 1: STRUCTURE OF THE INDIAN ECONOMY**

Basic characteristics of Indian economy, Causes of economic backwardness, Trends in national income-growth and structure.Mineral, forest, water and land; Human resource and its potentials, Population - size, composition and distribution, population policy, population growth and economic development; Occupational pattern, Unemployment problem; Poverty and poverty alleviation programmes.

### **BLOCK 2 : AGRICULTURE AND RURAL DEVELOPMENT**

Role of agriculture in Indian economy, Nature of Indian agriculture, Cropping pattern in India; Food security in India- policies for sustainable agriculture, Public Distribution System and its impact; National Agricultural Policy, Conditions and problems of agricultural labourers. Irrigation, agricultural inputs and mechanization of agriculture; Agricultural growth during the planning era; Land reforms; Agricultural marketing. Institutional credit flow to the rural sector - SCBs, RRBs, NABARD; Micro finance-SHG movement; Agricultural taxation in India, WTO and Indian agriculture.

### **BLOCK 3: INDUSTRIAL DEVELOPMENT**

The performance and pattern of industrialization under Five-year Plans, Problems of Industrial development; Small- scale and cottage industry: Industrial sickness-extent, causes and remedies, Industrial policy of India. Saving, capital formation in India, Causes of low rate of capital formation.

### **BLOCK 4: TERTIARY SECTOR IN INDIA**

Transport and communication; Education and Health, Information technology; Tourism sector. Foreign trade of India-value, composition and direction, balance of payments problem, Trade policy of India, foreign investment-direct and portfolio, Role of multinational firms, Foreign exchange, Foreign aid, External debt of India.RBI, Commercial banks, RRBs, Non-banking financial intermediaries; Money and capital markets in India, Stock market; Indian public finance-Fiscal federalism, Problems of fiscal policy, Fiscal sector reforms in India, budget.

### **BLOCK 5: ECONOMIC PLANNING**

Features of economic planning in India, Main objectives, Achievements and failures of Plans, Strategy of Indian Planning, Resource mobilization and investment in Five- year Plans, Salient features of current Five-year Plan: Regional disparities-Indicators, causes, extent and policy measures, Regional Planning, Role of Panchayat, NGOs, SHGs. Liberalization, Privatization and Globalization, Disinvestments in public sector undertakings-rationale, feature and assessment, WTO regime and India.

### **Reading List:**

1. Misra, S.K. & Puri, V.K. : 'Indian Economy' Himalaya Publishing House, Bombay, 1997.

2. Dewett, K.K., Verma & Sharma: 'Indian Economics', S. Chand & Co., New Delhi, 1999.
3. Daff, R. & Sundaram, K.P.M. : 'Indian Economics', S. Chand & Company Ltd., Ramnagar, New Delhi.
4. Dhar, P.K. : 'Indian Economy' 9th edition, Kalyani Publishers, Ludhiana, 2001

## **SECOND SEMESTER**

### **SECOND SEMESTER**

**Course Code: ECO20100**

**Title of the Course: Microeconomic Theory-II**

Marks: 100 (Term-end Examination:80 +Internal Assessment:20 )

### **BLOCK 1: THEORY OF DISTRIBUTION**

Marginal productivity theory; Euler's theorem and adding up controversy; Rent, Quasi rent and transfer earnings, Ricardian theory of rent; Classical and modern wage theories, Robinsons's theory of exploitation; Classical, Keynesian and modern theories of interest; Risk and uncertainty bearing theories of profit, Schumpeter's theory of profit.

### **BLOCK 2: WELFARE ECONOMICS**

New welfare Economics and its Distinction with Pigovian welfare economics; Pareto's welfare criterion and conditions of Paretian optimality; Merits and demerits of Paretian social optimum concept. Compensation principle of Kaldor-Hicks; Scitovsky's paradox, Scitovsky's double criterion; Value judgment; Bergson-Samuelson social welfare function; Arrow's theory of social choice and impossibility theorem, Amartya Sen's concept of poverty and welfare.

### **BLOCK 3: THE ECONOMICS OF INFORMATION:**

Markets with Asymmetric Information; Quality Uncertainty and the Market for Lemons. Adverse Selection; Social Insurance; Signaling and Screening; Moral Hazard ; The Principal-Agent Problem. Asymmetric Information in Labour Markets: Efficiency-wage Theory.

### **BLOCK 4: LINEAR PROGRAMMING**

Definition, Objectives and applications, Statement of the problem; Concepts of objective function, Constraints, Iso- cost and Iso-profit lines, Feasible region, Optimal solution; Graphical solution of linear programming problem.

### **BLOCK 5: INTRODUCTION TO GAME THEORY**

Basic Concepts, Objectives and Applications; Classification of Games depending upon Number of Players, Sum of Gains and Losses, and, Strategy; Competitive Games: Two-Person Zero-Sum Games; Pure and Mixed Strategies ; Rules of Dominance and Iterated Deletion of Dominated Strategies; Solution of Games with and without Saddle Point; Two Person, Non-Constant- Sum Games: Cooperative Games and Nash Bargaining Solution; Non-Cooperative Games and Prisoners' Dilemma.

### **Reading List:**

1. Koutsoyiannis, A Modern Microeconomics, ELBS with Macmillan Publication, London.
2. Henderson & Quandt : Microeconomic Theory, McGraw Hill, New York.
3. Samuelson, P.A. : Economics, McGraw Hill, New York.
4. Stonier, W & Hague, D.C. : A Text Book of Economic Theory, Longman, London.
5. Rubinfeld & Pindyck: Micro Economics McGraw Hill, New York.
6. David N Hyman : Economics 4th Ed. Irwin, Chicago.
7. Sen, A.K. : Poverty and Famine: "An Essay on Entitlement and Deprivation", Oxford University Press.
8. Shastri, Rahul A. : Microeconomic Theory, Universities Press (India Ltd.) Hyderabad.
9. Chopra, P.N.: Advanced Economic Theory, Kalyani Publishers, Ludhiana
10. Ahuja, H.L. : Advanced Economic Theory-Micro Economic Analysis, S. Chand & Co., New Delhi.

## **SECOND SEMESTER**

**Course Code: ECO20200**

**Title of the Course: Monetary Theory**

Marks: 100(Term-end Examination:80 +Internal Assessment:20 )

### **BLOCK 1 : DEMAND FOR AND SUPPLY OF MONEY**

Classical and Keynesian Approach Approach Classical approach to demand for money- Cash transaction approach, cash balance approach, Keynes's liquidity preference approach-transactions, precautionary and speculative demand for money; Wicksell's analysis of interest and prices, Keynesian theory of money and prices. Definitions of money supply, Changes in the supply of money, The Money Multiplier- High powered money.

### **BLOCK 2: DEMAND FOR MONEY: POST KEYNESIAN APPROACH**

Baumol's inventory theoretic approach; Tobin's theory of risk aversion.Friedman's restatement of the quantity theory of money; Patinkin's theory of money and prices.

Basic concepts - Meaning, types, sources and causes; Demand-pull inflation - Monetarists' view, Keynesian view, Bent Hansen's view; Cost-push inflation, Inflationary gap.Phillips curve analysis, Natural rate hypothesis, Tobin's modified Phillips curve; Stagflation.Monetary Policy, Fiscal Policy, Incomes policy-objectives, instruments and effectiveness.

### **BLOCK 3 ANALYSIS OF INFLATION**

Basic concepts- meaning, types, sources and causes; Demand-pull inflation-Monetarists view, Keynesian view, Bent Hansens View; Cost-push inflation,inflationary gap. Phillips curve analysis, Natural rate hypothesis,Tobin's modified Phillips curve;stagflation.Monetary Policy,Fiscal policy,Incomes Policy –objectives,instruments and effectiveness.

### **BLOCK 4 : ANALYSIS OF BUSINESS CYCLE**

Meaning, types, characteristics and phases of Business cycle.Hawtrey's monetary theory, Multiplier-accelerator interaction models of Hicks and Samuelson, Control of business cycle.

### **BLOCK 5: MONEY MARKET WITH SPECIAL REFERENCE TO INDIAN MONEY MARKET**

Scope, need, objectives, constitutions, functions and limitations of Money Market.Structure of Indian money market, Defects of Indian money market; Steps to improve Indian market; Non-Performing Assets (NPA), Non-banking financial intermediaries in India.

#### **Reading List :**

1. Keynes, J.M. : 'General Theory of Employment, Interest and Money' Macmillan, London
2. Patinkin, Don: Money, Interest and Prices-part I, Harper & Row, 2nd Ed., London.

3. Lawrence Harris : Monetary Theory (Third Edition), McGraw Hills, New York.
4. N. Gregory Mankiw : Macro Economics (Third Edition), C.B.S. Publishers and distributors, 485 Iain Hhawan, Delhi-100 032.
5. Friedman, M. : Studies in the Quantity Theory of Money, The University of Chicago Press, Chicago.
6. Hajela, P.D. : Problems of Monetary Policy in Underdeveloped Economy, Kitab Mahal, Allahabad.
7. Paul, R.R. Monetary Economics, Kalyani Publishers, Ludhiana.
8. Sinha R.K. : Monetarism Versus Keynesianism, Deep & Deep Publications, New Delhi.
9. RBI Reports: Currency and Finance.

## **SECOND SEMESTER**

**Course Code: ECO20300**

**Title of the Course: Statistics for Economic Analysis**

Marks: 100(Term-end Examination:80 +Internal Assessment:20 )

### **BLOCK 1: SAMPLING METHODS AND TEST OF SIGNIFICANCE**

Census, Sampling and Sampling Distribution-Sampling methods, Sampling and non-sampling errors, Sampling distribution of an estimate, Point and interval estimations. Chi-Square, t-test & F-test, Analysis of variance, Standard Error.

**BLOCK 2 : CORRELATIONAND REGRESSION** Simple correlation, Multiple correlation, Partial correlation. Method of least squares, Multiple linear regression.

### **BLOCK 3 : INTERPOLATION & EXTRAPOLATION**

Graphic method, Parabolic curve, Binomial expansion method, Finite difference method, Newton's forward difference, Newton's backward difference method, Newton Gauss method.

### **BLOCK 4 : PROBABILITY & DISTRIBUTION**

Classical and empirical definitions of probability, Laws of addition & multiplication, Mathematical expectation.Discrete and continuous distributions-Binomial, Poison and Normal distribution.

### **Reading List:**

1. Croxton & Cowden : Applied General Statistics, Prentice Hall of India Pvt. Ltd., New Delhi.
2. Gupta, S.P. Statistical Methods, Sultan Chand & Sons, New Delhi.
3. Taro Yamane : Statistics, Prentice Hall of India, New Delhi.
4. Agarwal, B.L., Basic Statistics, (Second Edition), Wiley Eastern Ltd., New Age International Ltd., New Delhi.

## **SECOND SEMESTER**

**Course Code: ECO20400**

**Title of the Course: Regional Economics**

**Marks: 100(Term-end Examination:80 +Internal Assessment:20 )**

### **BLOCK 1: REGIONAL ECONOMICS: BASIC CONCEPTS AND GROWTH THEORIES**

Definition of a Region; Definition, scope, content and importance of regional economics.Current state of regional growth theory-Export base model, Neoclassical model; Input-output model.

### **BLOCK 2: REGIONAL PLANNING**

Definition, scope, content and needs of regional planning; Regional Vs National planning.Location theory and regional growth; Growth pole theory and Regional planning, Concept of regional multiplier and its application; Role of decentralized planning in regional development; Vision 2020.

### **BLOCK 3: REGIONAL ECONOMIC DEVELOPMENT**

Concept of regional development, Strategy of balanced regional development, Myrdal's Backwash theory, Urbanization and regional development.Regional disparities in India, Goals for balanced regional development and economic policy in India.

### **BLOCK 4 : RESOURCES OF NORTH EAST INDIA**

Mineral, Forest and Water resources; Economic characteristics of North East India.Trends in population growth, Composition of population, Distribution of the population, Population density, Urbanization, Occupational distribution, Migration-internal and international.

### **BLOCK 5: SECTORAL DEVELOPMENT OF NORTH EAST INDIA**

Trends and pattern of production - Land use, Agricultural holdings and Cropping pattern, Food production and food security, Shifting cultivation, Modernization of agriculture, Sustainable agriculture, Problems of agriculture with special reference to flood, erosion and soil conservation.

Industrial Development, Major and Small Scale Industries- Problems and prospects, Development of infrastructure, power, Transport and communication, Growth of banking and financial institutions, Role of NEC in economic and infrastructural development.Performance of Social Sector, Role of NEDFi, SIDBI, IDBI and other development agencies; Border trade and Look East Policy.

### **Reading List:**

1. H.W. Richardson (Ed) : Regional Economics : A. Reader, Allen & Irwin, London.
2. H.W. Richardson: Regional Growth Theory; MacMillan.
3. Goswami, P.C. : Economic Development of Assam, Kalyani Publishers, Ludhiana.
4. B. Dutta Roy, Social and Economics Profile of N.E. India, Omsons, New Delhi.
5. Singh, J.K. : Regional Economics, Bharati Prakashan, Varanasi.
6. NCEAR: Techno Economic Surveys of Assam, Arunachal Pradesh and Manipur and Nagaland.
7. NEC: (a) Basic Statistics of N.E. Region, 1980-85.  
(b) Towards Regional Development : Plans and Perspective (1980).
8. Govt. of Assam : Economic Survey and Statistical hand Book.
9. Assam Prakalpa: Assam Beyond 2000.
10. Govt. of Assam: Vision 2025.

## THIRD SEMESTER

### THIRD SEMESTER

Course Code: ECO30100

Title of the Course: International Economics

Marks: 100(Term-end Examination:80 +Internal Assessment:20 )

#### Block I: Classical and Neo-classical Theories of International Trade

Absolute advantage theory of Adam Smith; Comparative advantage theory of David Ricardo; Relevance of the classical theory in less developed countries. Replacement of Labour Cost by Opportunity Cost; Trade under constant cost, Trade under increasing cost, Trade with more than two countries-two commodities model; Determination of actual terms of trade with the help of Reciprocal demand analysis and Offer curve technique.

#### Block 2: Modern Theories of International Trade:

Factor abundance, Factor intensity reversal, Demand reversal; Factor-price equalisation theorem, equalization theorem; Leontief paradox. Vent for surplus theory, Imitation lag hypothesis, Linder theory, The product cycle theory of Vernon, Kravis theory; Intra-industry trade.

#### Block 3: Economic Growth and International Trade

Effects of economic growth on terms of trade; Effects of technological progress and factor growth on volume of production, terms of trade and welfare. Hypotheses of secular deterioration in the terms of trade- Myrdal, Prebisch and Singer's views; Immiserising growth.

#### Block 4: Foreign Investment

The theory of foreign direct investment, effects of direct investment on home and host countries, Risk involved in foreign direct investment for both home and host countries. Meaning of portfolio investment, Motives for portfolio investment, Determinants of portfolio investment, Risk involved in Foreign Portfolio Investment for both investors and host country .

#### Block 5: Economic Integration

Free trade area, Customs union, Common market and Economic union; Customs union -Static effects - Trade creation and Trade diversion; Dynamic effects of customs union.

EU, ASEAN, NAFTA, SAFTA, SAARC.

IMF- Objectives, functions, achievements and failures; WTO -Objectives, Agreements on Intellectual Property Rights and Agriculture and their impacts on India.

#### Reading List:

- 1 Bo Sodersten : International Economics, Macmillan Education, London.
- 2 H.G. Mannur : International Economics: Theory and Policy Issues, Vikas Publishing House, New Delhi.
- 3 Krugman Paul & Obstfeld : International Economics (Fourth Edition), McGraw Hill, New York.
- 4 Viner, J. : Studies in the Theory of International Trade, Allen & Unwin, London.
- 5 G.C. Hufbauer: The Multinational Corporation and Direct Investment in P.B. Kenen (Ed.), International Trade and Finance, Cambridge University Press. New York.
- 6 Salvatore, D. : Theory and Problems of International Economics, (Schaum's Outline Series) McGraw Hill Book Company, New York.

- 7 D.R. Apployand & A.J. Field Jr. Irwin: International Economics, (Third Edition), McGraw Hill, New Delhi.
- 8 Grubel, H.G. : International Economics, Irwin, Homewood -III.
- 9 U.N.O. Trade and Development Report, 2000.

### **THIRD SEMESTER**

**Course Code: ECO30200**

**Title of the Course: Mathematics for Economic Analysis**

Marks: 100(Term-end Examination:80 +Internal Assessment:20 )

### **BLOCK 1: SET, MATRIX AND INPUT-OUTPUT ANALYSIS**

Concept of set, Types, Set operations, Convex set, properties of Convex set. Matrix-Types, Operations, Cramer's Rule; Determinant- Properties. Structure of Input Output Model, Static Input-Output Model, Hawkins-Simon Conditions.

### **BLOCK 2 : DIFFERENTIATION**

Definition and Basic rules of Differentiation-Partial and Total differentiation-derivative of implicit functions- Applications of derivative in case of elasticity, Cost function, Revenue function and derivation of other marginal functions-Application to comparative static analysis of market model and national income model. Optimization-unconstrained and constrained-Applications to cost minimization, Revenue maximization, Profit maximization and equilibrium of firm-Optimization with equality constraint-Lagrange's Multiplier Method-Application to Consumer's equilibrium and producer's equilibrium.

### **BLOCK 3: PRODUCTION FUNCTIONS**

Nature and properties of production functions. Cobb-Douglas and Constant Elasticity of Substitution Production Function-Properties and importance.

### **BLOCK 4: INTEGRATION**

Concept of Integration; Standard Integrals; Important Rules; Methods of Integration. Derivation of total functions from marginal functions. Concept of Definite Integral; Definite Integral as an Area; Applications of Definite Integrals in Economics application in case of consumer's surplus and producer's surplus.

### **Reading List:**

1. Alpha C. Chiang : Fundamental Methods of Mathematical Economics, McGraw Hill, New York.
2. R.G.D. Allen: Mathematical Analysis for Economics, Macmillan India.
3. G.C. Archibald & R.G. Lipsey : An Introduction to a Mathematical Treatment of Economics, AITBS, New Delhi, 1984.
4. Baruah, S : Basic Mathematics and its Application in Economics, Macmillan India.
5. Taha, H.A. : Operations Research: An Introduction (6th edition), Prentice Hall of India Pvt. Ltd., New Delhi.
6. Yarnane, Taro, Mathematics for Economists, Prentice Hall of India, New Delhi.
7. Baumol, W.J. : Economic Theory and Operations Analysis, Prentice Hall, Englewood Cliffs, New Jersey.



### **THIRD SEMESTER**

**Course Code: ECO30300**

**Title of the Course: Development Economics-I**

Marks: 100(Term-end Examination:80 +Internal Assessment:20 )

#### **Block-1: Economic Growth and Development.**

The concepts of development and growth; Causes and features of underdevelopment; Poverty - Absolute and relative, Vicious circle of poverty; Factors affecting growth -capital, labour and technology.Measurement of development and development gap -GNP, Per capita income. Composite Index, Inequality of income, Human development index.

#### **Block 2 : The Theories of Growth**

Classical growth theory, Harrod-Domar growth models, Neo-classical growth theory -Solow and Meade models, Joan Robinson's model.Balanced growth theory. Unbalanced growth theory, Critical minimum effort thesis. Low level equilibrium trap, Endogenous growth theory .

#### **Block 3: Approaches to Political Economy:**

Radical, Mainstream and Institutional, Development and Underdevelopment – ‘Dependencia’ Theories of Development – Center-Periphery Model, False-Paradigm Model, the Dualistic Development thesis – the Neoclassical Counterrevolution – Political Instability and Economic Policy; the role of State in Less Developed Economies, the Role of Institutions

#### **Block 4: Population Growth and Economic Development**

Factors affecting population growth-Birth, death and migration, Natural change in population; Age composition and occupational structure of the developed and developing countries, Population pyramid. Positive and negative impacts of population growth, Population policy for economic development.

#### **Reading List:**

1. Meier, Gerald M. & Rauch, J.E. : Leading Issues in Economic Development, Seventh Edition, 2000, Oxford University Press.
2. Higgins, B. : Economic development -Problems, Principles & Practices, Revised Edition Reprint, 1994, Universal Book Stall, New Delhi.
3. Gill, R.T. : Economic Development: Past and Present, Prentice-Hall of India Pvt. Ltd., 1992.
4. Ray, Debraj : Development Economics, Oxford University Press.
5. Adelman, I. : Theories of Economic Growth and Development, University Press, Stanford, 1961.
6. Hogendorn, J : Economic Development, Addison, Wesley, New York, 1996.
7. Behrman, S. and T.N. Srinivasan : Handbook of Development Economics, Vol. 3, Elsevier, Amsterdam, 1995.

### **THIRD SEMESTER**

**Course Code: ECO30410 ( Elective)**

**Title of the Course: Economics of Agriculture(Group A )**

**Marks: 100(Term-end Examination:80 +Internal Assessment:20 )**

#### **Block I: Agriculture and Economic Development**

Scope of agricultural and rural economies, changing importance of agriculture, Traditional agriculture and its modernization; Sectoral dependence of agricultural economics; Interdependence between agriculture and industry .

#### **Block 2: Agricultural Production and Resource Use**

Returns to scale; Input-output relationship; Choice of resource allocations, resource substitution and factor relationships; Cost and supply curves; Factor combination and least cost production.

Production decision; Resource use under uncertainty condition; Extensive and intensive cultivation.

#### **Block 3: Factor Markets**

Principles of land utilization; Size of firm: Tenancy and reform; Land tenure and farming systems.Agricultural labour., wages and employment; Unemployment~ and disguised unemployment.Saving and capital formation; Objectives and principles of a sound credit structure; Characteristics of agricultural credit; Types of credit; Sources of credit; Co-operative credit and credit supervision.Problems, farm efficiency and factors determining efficiency.

#### **Block 4: Agricultural Marketing**

Market surplus and marketable surplus, Approaches of agricultural marketing, Problems of agricultural marketing, Types of costs, Organization of markets, Market grades and standards.Market regulations, Market intelligence, Information services, Co-operative marketing.International commodity agreement, International Patent Ordinance, WTO and Indian agriculture.

#### **Block 5: Agricultural Prices**

Demand and supply of agricultural produce, Short and long run movement of agricultural prices, Cyclical and seasonal variations, Cobweb theorem and Producer's response to price.Support price; Problems of agricultural prices, State intervention in production and marketing, Price and income stability, Protection of farm wages, Planning in agriculture

#### **Reading List:**

1. Cohen, R:Economics of Agriculture,James Nisbet Co, Cambridge University Press, London.
2. Sadhu & Singh:Fundamentals of Agricultural Economics, Himalaya PublishingHouse, Bombay.
3. Soni, R.N.:Leading Issues in Agricultural Economics,Shobin Lal Nagin Chand & Co., Jalandha
4. Heady, E.O.: Economics of Agricultural Production & Resource, Prentice Hall, New York.

### **THIRD SEMESTER**

**Course Code: ECO30420**

**Title of the Course: Demographic Analysis(Group –B)**

Marks: 100(Term-end Examination:80 +Internal Assessment:20 )

#### **Block I: Demography and Sources of Demographic Data**

Definition, Scope and Importance of Demography. Definition, History, Salient features, Scope and need, Types of enumeration - household method and canvasser method; Methods of census operation - de facto and de jure. Definition, Salient features, History and Development of Registration of Vital Events; Problems of Vital Registration. Nature, scope, need and advantage of sample survey; Other Sources of demographic data - International Migration records, NSSO records, Administrative records etc.

#### **Block 2: Basic Measures of Fertility and Mortality**

Crude Birth Rate, General Fertility Rate, Age-specific Fertility Rate, Total Fertility Rate, Child-Women Ratio; Differential Fertility; Measures of Reproduction - Gross Reproduction Rate and Net Reproduction Rate; Crude Death Rate, Specific death rates with respect to age, sex; Infant mortality, Neo-natal mortality; Foetal, Perinatal and Maternal mortality rates; Standardised death rate. Current and Cohort life table, Complete and Abridged life table, construction of life table, uses of life table.

#### **Block 3: Migration**

Basic concepts; Direct Method of estimating migration- Birth Place Statistics. Intercensal Component Method, National Growth Rate, Vital Statistics Method, Forward and Reverse Survival Rate methods.

#### **Block 4: Population Structure and Distribution**

Age structure - Measures of age structure, Population Pyramid, Aging of population, Factors affecting age structure; Sex structure - Measures of sex structure, Factors affecting sex structure, Marital characteristics - Classification of marital status, Measures of marital status; Economic Characteristics - Labour force - Concepts and Definition, Measures of labour force participation - Crude labour force participation rate, General labour force participation rate, Age-specific labour force participation rate, Standardised labour force participation rate. Meaning and measures of population distribution; Factors affecting population distribution; Urbanisation - Various concepts, Measures of Urbanisation - Concentration and Dispersion of population - Lorenz Curve and Gini's Concentration Ratio; Components of Urban Growth;

#### **Block 5: Population Growth and Projection:**

Intercensal Growth Rate, Annual average growth rates - Arithmetic, Geometric and Exponential growth rates; Meaning, assumptions and uses of population projection; Methods of population projection.

#### **Reading List:**

1. Shryock, H.S. : Methods and Materials of Demography, et al, Academic Press, New York.
2. Srinivasan, K.: Basic Demographic Techniques & Application, Sage Publications, New Delhi.
3. Rama Kumar, R.: Technical Demography, Wiley eastern Ltd, New Delhi.

4. Barcley G. W. : Techniques of Population Analysis, John Wiley & Sons, New York.
5. Pollard, A.H. : Demographic Techniques, et al, Pergamon Press, Australia.
6. Bouge D.J. : Principles of Demography, John Wiley & Sons, New York.
7. Cox, P.R. : Demography, Cambridge University Press, Cambridge.

## **FOURTH SEMESTER**

### **FOURTH SEMESTER**

**Course Code: ECO40100**

**Title of the Course: Development Economics-II**

Marks: 100(Term-end Examination:80 +Internal Assessment:20 )

#### **Block 1: Sectoral Aspects of Development**

Role of agriculture in economic development, Agricultural modernization and sustainable development, Globalisation and its effects on agriculture and industrial sectors in developing countries,

Infrastructure and economic development; Role of government in development. Basic concepts, techniques and issues, Intermediate technology.

#### **Block 2: Human Resources**

Contribution of education to economic development, Human capital formation, Health, Education and nutrition, The role of human capital in economic development.

Gender and development - women empowerment, poverty and development in the Third World Economies. Basic concepts of environment, Environmental issues and sustainable development.

#### **Block 3: Concepts and Measurement of Poverty**

Measures of poverty- Head-count; Foster –Greer- Thorbecke, Sen; Critique of the poverty line approach; Absolute vs. Relative Poverty; Millennium Development Goals and Poverty; Poverty traps, Multi-dimensional measures of Poverty: MPI; Poverty as capability failure; Poverty and under nutrition; poverty and environment; Policies to tackle Poverty: Macro vs. Micro Interventions; Targeting vs. Universalism; Micro-credit.

#### **Block 4: Inequality**

Causes and measures of income inequality, Lorenz curve, Gini Co-efficient, Concentration ratio, Entropy; Growth-Inequality and Poverty debate, Patterns and Changes in inequality and poverty- the inverted U hypothesis, Inequality and capitalism in the twenty-first century, the rise of global middle class and global plutocracy; Inequality within and among countries; Measures to reduce inequality; Inclusive Growth

### **Reading List:**

1. Meier, Gerald M. & Rauch, J.E. : Leading Issues in Economic Development, Seventh Edition, 2000, Oxford University Press.
2. Higgins, B. : Economic development -Problems, Principles & Practices, Revised Edition Reprint, 1994, Universal Book Stall, New Delhi.
3. Gill, R.T. : Economic Development: Past and Present, Prentice-Hall of India Pvt. Ltd., 1992.
4. Ray, Debraj : Development Economics, Oxford University Press.

5. Adelman, I. : Theories of Economic Growth and Development, University Press, Stanford, 1961.
6. Hogendorn, J : Economic Development, Addison, Wesley, New York, 1996.
7. Behrman, S. and T.N. Srinivasan : Handbook of Development Economics, Vol. 3, Elsevier, Amsterdam, 1995.

#### **FOURTH SEMESTER**

**Course Code: ECO40200**

**Title of the Course: ENVIRONMENTAL ECONOMICS**

Marks: 100(Term-end Examination:80 +Internal Assessment:20 )

#### **Block I: Economics and Environment**

Environment and Development: Basic Issues -Resources and Residuals -Environment as an Economic and Social Asset -Environmental Economics -History of Development of the subject, Definitions and Objectives -Resource Economics Vs. Environmental Economics.Renewable and Exhaustible Resources -Pollutants -Types and Sources of Pollutants - Choice of Environmental Quality for the current and future generation.

#### **Block 2: Public Goods**

Environmental Quality as Public Goods -Characteristics of Public Goods -Externalities -Environmental Externalities -Environmental Damage as Negative Externalities - Allocative Inefficiency of Competitive Equilibrium in case of Environmental Quality -the Social Optimum Equilibrium.Concept of Market Failure -the Coase Theorem -Common Property Resources and its characteristic feature.

#### **Block 3: Environmental Pollution**

Air, Water, Soil, Noise, Nuclear, Thermal and Marine: Causes, Impacts and Policy Measures -Problem of Solid Wastes and their Management; Solution to Environmental Problems -Conventional, Economic and Incentive based.Concept, Components and Indicators of sustainable development, Sustainable Accounting -Environmental Reporting, Accounting and Auditing -Environmental Impact Assessment: Basic Concepts.

#### **Block 4: Environmental problems**

Environmental problems of the Developed and Developing countries -Policy Responses -Ozone Depletion, Green House Effect and Global Warming, Loss of biodiversity -Causes, Consequences and Remedial Measures -Efforts at national and international level -Carbon Trading.

#### **Block 5: Environmental Problems of India and North East India**

Environmental Problems of India -Causes, Consequences and Remedial Measures - India's Environmental Policy -Government Response to Environmental Problems - Environmental Laws and their Implementation -Policy instrument for controlling water and air pollution -Forest Policy -Joint Forest Management -Social Forestry -rationale and benefits.Environmental Problems of North East India -Causes, Consequences and Remedial Measures.

#### **Reading List:**

1. Barry C. Field, Environmental Economics: An Introduction ( 2nd Edition), Mc Graw Hill, New York, 1997.
2. Hanley, N ., J .F .Shogern and B. White( 1997), Environmental Economics in Theory and Practice, Macmillan
3. Kolstad, C.D., Environmental Economics, OUP, New Delhi
4. Scott J. Callan and Janet M. Thomas, Environmental Economics and Management: Theory , Policy and Applications, Irwin, Chicago, 1996.
5. Tom Tintenberg, Environmental and Natural Resources, (5th Edition) Addison Wesley, New York, 2000.
6. D.W. Pearce and R.K. Turner, Economics of Natural Resources and the Environment, John Hopkins University Press, Baltimore, 1990.
7. Sankar, U. (2001), Environmental Economics, OUP, New York.
8. Bhattacharya, R.N .(Ed), Environmental Economics: An Indian Perspective, OUP , New Delhi.
9. Sengupta, R.P. (2001), Ecology and Economics: An Approach to Sustainable Development, OUP, New Delhi.

10. ESCAP(1997), Accounting and Valuation of Environment- A Primer for Developing Countries, Volume I, United Nations, New York.
11. Mehta, S., S. Mundle and U. Sankar ( 1995), Controlling Pollution: Incentives and Regulation, Sage, New Delhi.
12. Singh, J.K., Das, D.K., Environmental Economics and Development, Deep and Deep, New Delhi.

#### **FOURTH SEMESTER**

**Course Code: ECO40300**

**Title of the Course: ECONOMETRICS**

Marks: 100(Term-end Examination:80 +Internal Assessment:20 )

#### **Block 1 : Fundamental Concepts:**

Statistic and Parameter, Estimator & Estimate, Characteristic of a good estimator, Sampling distribution, Random variable, Variance, Co-Variance & Correlation,

#### **Block 2 : Linear Regression Model:**

Principles of least squares - Two-Variable Linear regression Model, BLUE – The Gauss–Markov Theorem – Extension to Multi-Variable Linear regression Model, Interval Estimation - Hypothesis testing, Prediction & Forecasting; Maximum likelihood, Dummy Variable.

#### **Block 3 : II Single Equation Problems - I:**

Auto-Correlation, Heteroscedasticity – Problem, Detection and Alternative Methods of Estimation – Generalised Least Square Method, Properties of GLS Estimators.

#### **Block 4 : III Single Equation Problems - II:**

Multicollinearity, Errors in Variable and Specification Errors – Problems, Detection and Alternative Methods of Estimation.IV Distributed Lag Models: Concepts – Koyck Model – Estimation – Rationalization of Koyck Model –

#### **Block 5 : Time Series Analysis**

Concepts and components, Measurement of trend-seasonal, cyclical, irregular movements; Importance of time series analysis – Stationary and Non-stationary time series – Univariate time series processes: AR, MA, ARMA and ARIMA – Estimation of AR, MA and ARMA models.

#### **Reading list:**

- 1. Gujarati, D.N.: “Basic Econometrics”, McGraw Hill, New Delhi.**
- 2.Pindyck, R.S. and Rubinfeld, D.L. : “Econometric Models and Economic Forecasts”, McGraw Hill, New York.**
- 3.Dougherty, C: “Introduction to Basic Econometrics**

## **FOURTH SEMESTER**

**Course Code: ECO40410**

**Title of the Course: Rural Development (Group A)**

Marks: 100(Term-end Examination:80 +Internal Assessment:20 )

### **Block 1 : Concepts of Rural Development**

Meaning of Rural Development, Basic elements of development, Expectations of rural people. Social constraints in rural development. Distribution of income. Measures of rural poverty in India.

### **Block -2 : Determinants of Rural Development**

Utilization of natural resources, Changes in employment. Increase in capital, Technological changes. Infrastructural development: Role of information technology in rural development.

### **Block - 3 : Diversification of Rural Economic Activities**

Livestock resources and their productivity, problems of marketing, White revolution; Fishery and poultry development. Issues and problems in rural industrialization. Development of agro based industries. Forestry, Horticulture and Floriculture.

### **Block 4 : Policies and Programmes of Rural Development**

Community Development Programmes, Special group and Area Specific Programmes, Operation flood. Self-help groups, SGSY and other employment related development programmes.

### **Block 5 : Planning and Management**

Decentralised planning, Organisations for rural development DRDA, DIC, Panchayati Raj Institutions, Co-operatives, CAPART and NIRD, Rural development under planning. Role of NABARD, RRB's, Commercial Banks, Cooperative Banks, NGO's, Foreign Investment and Foreign Aid.

### **Reading List:**

1. Singh, Katar : Rural Development Policies and Management. Sage Publications, New Delhi.
2. Maheshwari, S.R. : Rural Development in India. Sage Publications, New Delhi.
3. Desai, D.K. : Management in Rural Development, Oxford and IBH, New Delhi.
4. Harriss : Rural Development, ELBS.
5. Mascarenhas : A Strategy for Rural Development, Sage Publications, New Delhi.

### **THIRD SEMESTER**

**Course Code: ECO40420**

**Title of the Course: Population Studies (Group B)**

Marks: 100(Term-end Examination:80 +Internal Assessment:20 )

#### **First Half- Theories of Population**

##### **Block I: Pre-Malthusian Views on Population and Theories of Population**

Ancient writings of greek, Roman, Chinese and Indian thinkers, Medieval Christian thinkers, view of the Mercantilists, Physiocrats and Political Arithmeticians (Graunt, Petty); Writings of Condorcet and Godwin. Malthusian Theory , Theory of Optimum Population, Theory of Demographic Transition, Contribution of the Socialist School.

##### **Block 2: Fertility Theories:**

Social Capillarity Theory (Dumont), Theory of Cultural Lag or Diffusion (Carlson), Theory of Change and Response (Davis). Economic Theories of Leibenstein (Cost-benefit) and Becker (Micro Consumption); Biological Theories of Spencer, Gini, Sadler, Doubleday.

##### **Block 3: Fertility and Mortality Variables**

Background and Proximate determinants of Fertility, Theory of Intermediate Variables.

Economic, Ecological, Cultural, Familial, Marital, Parental, Perinatal, Nutritional, Hygienic, Genetic, Natural, Accidental, interventional.

##### **Block 4: Migration**

Factors affecting migration, Push and Pull factors, Demographic, Economic, Social and cultural consequences of migration. Lee's Theory, Peterson's Typology, Ravenstein's Laws of Migration, Theory of Intervening Opportunities (Stouffer), Zipf's gravity Model of Migration.

#### **Reading List :**

1. Coontz, S.H. : Population Theories and Their Economic Interpretations, --Routledge & Kegan Paul, London.
2. Mahavevan, K. (Ed) : Fertility and Mortality, Sage publications, New Delhi.
3. Bhende, A.A. & Kanitkar, T. : Principles of Population Studies, Himalaya Publishing House, Bombay.
4. Kenneth Kammeyer -Population Studies, Rand Mc Nally College Publishing Company, Chicago.
5. Ralph Thomlinson: Population Dynamics, Random House, New York.
6. Clark, W .A. V. : Human Migration, Sage Publications, New Delhi.
7. Cebula R.J. : The Determinants of Human Migration, Lexington Books, Lexington.
8. Donald Bogue : Principles of Demography, John Wiley & Sons, Inc. New York
9. Coale, A.J. & Hoover, E.M.: Population Growth and Economic Development in Low Income Countries, Princeton University Press, Princeton.
10. Evert Lee: " A Theory of Migration" in J.A. Jackson (Ed.) Migration, Cambridge University Press, Cambridge.
11. Philip Hanser & O Duncun (eds): The Study of Population, Asia Publishing House, New Delhi.
12. D.V. Glass: Introduction to Malthus, Frank Grass & Co., London.
13. J. Spengler & O Duncun: Population Theory and Policy, The Free Press of Glencoe, London.
14. Victor S D Souza: Economic Development, Social Structure and Population Growth, Sage Publications, New Delhi.



## **Second Half: Indian Population Problems**

### **Block 1: Sources of Demographic Data in India**

History. Characteristic, Coverage, Stages, Reliability, Salient Features of the Latest Census History and Reliability of the Vital Registration System; SRS and NSSO records

### **Block 2: Major Demographic features of Indian population and Population Distribution**

Size, Growth, Births, Deaths, Marriages, Literacy, Sex-Ratio; Trends in these features over the decades. Occupational and Rural-urban distribution, Trends of Urbanisation and its causes, Density, factors affecting density, Internal and International migration.

### **Block 3: Population Policy, Human Capital Formation and Manpower Planning in India**

The shift in policy from population control to family welfare, Family welfare programmes -Failures and success, Reproductive Health, Maternal nutrition and Child health policies, Various aspects of the National Population Policy, Population education. Meaning and Objectives, Components of Human Capital Formation, Problems of Human Capital Formation and Manpower Planning.

### **Block 4: Population Growth and Population Distribution in Assam**

Behaviour of population dynamics, Problem of Illegal Migration, Population growth and land use pattern. Occupational and Rural-Urban distribution, Density of Population, Trend and Pattern of urbanization.

### **Reading List :**

1. Bhende, A.A. & Kanitkar, T. : Principles of Population Studies, Himalaya Publishing House, Bombay.
2. Ghosh, B.N. : Population Theories on Demographic Analysis, Minakshi Prakasan, New Delhi.
3. Coale, A.J. & Hoover, E.M.: Population Growth and Economic Development in Low Income Countries, Princeton University Press, Princeton.
4. Agarwal, S.N. : Population, National Book Trust, New Delhi.
5. Davis, K.: The Population of India and Pakistan, Princeton University Press, Princeton.
6. Driver, E.D.: fertility Differentials in Central India, Princeton University Press, Princeton.

**Faculty and support staff requirement:** There is only one full – time faculty for this programme and DODL will take the help and Services from the faculties of parent department and from the faculties of nearby Colleges.

### **Instructional Delivery Mechanism:**

The instructional delivery mechanism and various media through which Study Inputs will be provided for this programme are Print Material (SLMs), Face to face and on-line (e-mail, Whatsapp, social media etc) tutorials, counselling, Video CDs/ DVDs, Radio Broadcast Gyanmalinee and Radio-counselling and Recorded lectures on the website.

### **Identification of Media and Student Support Service:**

- **Research and Media Support Service**

The Research and Media Support Service wing has been established with a two fold objective to facilitate in house research Distance Education as well as supplement the distance learners with multi-media facilities. It includes information about the various events organized by the Directorate, assisting in administrative works, support with ICT tools etc.

Media Support Service provides supplementary support to the Distance Learners by the means of

**Radio Programmes GYAN -MALINEE :**On every Thursday at 8pm from All India Radio, Dibrugarh Centre, (M/W- 521.1)

- **Multi-media CDs :**The Directorate has decided to provide its learners with course related

Video CDs, which may give a good support to the learning process of the learners.

- **Bulk SMS:** The Bulk SMS to the learners providing information regarding Counselling programmes, Personal Contact programmes, Assignments, Date and Results of Examination, other Administrative and Examination related information and so on. (if DO NOT DISTURB service is NOT activated in the contact numbers.)

- Updating all the necessary information in the website [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in)

- **Internet facility :**

All enrolled students of the Directorate can avail various facilities by logging in the website

- [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in) Some of the facilities, apart from the general information are -

- **Assignment questions.**

- **Important dates.**
- **Result.**
- **Already broadcasted Radio programmes.**

## **Student Support Service:**

- **Study Materials**

The Directorate has prepared all the study materials in the Self learning material (SLM) format in coordination with the course writers and editors through the help of the workshops

sponsored by Distance Education Council, IGNOU, New Delhi

- **Personal Contact Programmes / Counselling Programmes**

Directorate conducts weekend counselling for its learners. These weekend counsellings can be availed by willing students on payment of minimal fees which will be notified by the directorate in the induction meeting. The personal contact programmes for undergraduate courses shall be provided by the study centers and the coordinators will inform the schedules to the students enrolled at their respective study centers .

- **Induction Meet**

The DODL organizes one day Induction Meet for the learners before commencement of counselling Sessions of the first semester to give a clear map of the open and distance learning . It is a two way interactive meet .

- **Learners meet:**

The DODL organizes one day learners meet to address their different problems related to their process of learning.

- **University Week:**

It is the cultural and sports confluence of DODL learners and formal mode students of the university. It is organized once in a year.

### **a) Procedure for admissions, curriculum transaction:**

#### Admission procedure:

- Graduates (10 + 2 + 3 pattern) from any recognized university in the Major or Honours or General courses may apply for admission into a post-graduate course offered in Distance Education, D.U. and get themselves registered as learners of Distance Education, D.U.
- Provisionally admitted learners shall have to produce the transcript issued by the institution last attended or, the original mark sheet and other testimonials for verification at the Office of the DODL, D.U. as and when call for. On production of transcript/original mark sheet and other testimonials their admission to the DODL, D.U. will be confirmed latest by January.
- Students admitted shall be issued enrolment no.
- Notwithstanding any rules and procedures, a student may be refused admission if his/her past conduct in the educational institution last attended has not been satisfactory. A student who has been expelled/ rusticated or disqualified by the university may also be refused admission.
- Admission of a student can be cancelled at any stage if it is found that he/she furnished incorrect information or has suppressed facts to secure admission. If any dispute arises out of such refusal/ cancellation, the decision of the Vice-chancellor, D.U. shall be final.

- (vi) The fees for the Post-Graduate Programmes in Distance Education shall be fixed by the university from time to time. Such fee shall include Admission Fee, Counseling Fee, Course Material Fee, Postal charges etc., payable in single installment at the time of admission. No cash deposition of fees shall be considered. Fees shall be accepted only in the form of a demand draft. Otherwise online payment mode of fees is highly recommended.
- (vii) The subject taken for M. A. / M. Com. programme may not necessarily be one of the subjects in his/her degree course. The candidate may be allowed to appear in any subject having relevant/ allied subject at the degree level.
- (viii) Mathematics in Degree level is a mandatory requirement for the learner who wants to take admission into the M.A. / M.Sc. Programme in Mathematics.
- (ix) A Master Degree holder under Distance Education may be allowed to appear at the Master Degree Examination again in a different programme or group if otherwise eligible. But two simultaneous degree of any kind in any mode of education in the same institution or /and in different institution shall not be allowed.
- (x) Medium of Instruction (course materials & counseling) and Examination for the courses shall be English except for M.A. in language subjects.
- (xi) Study materials with Guidelines will be supplied to a student within a month from the last date of admission.

Admission notices/advertisements for various programmes of the Directorate of Open and Distance Learning, Dibrugarh University, are published in leading newspapers, both English and Assamese, at least forty-five days prior to the date of admission. Other than the DODL website [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in), it is also notified in the Dibrugarh University website, [www.dibru.ac.in](http://www.dibru.ac.in). Candidates are to apply in the prescribed Application form only. Apart from the online admission process, the admission form along with the Prospectus for offline mode can be downloaded from the website [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in).

#### **(g) Admission Fees:**

Rs 2500 (Course Fee / Semester) + 900 (Counseling Fee / Semester) + 400 (Enrolment Fee for the entire period of study to be paid only at the time of first entry level) + 300 (Gymkhana Fee for the entire period of study to be paid only at the time of first entry level)\*

\* The Gymkhana Fee of Rs. 300/- is meant only for the learners of Dibrugarh University DODL Study Centre and the same goes to the University General Fund use explicitly for Student Activities.

#### **(h) Schedule of Programme:**

A Post-Graduate programme under Distance Education shall be conducted in four parts – (Semester I, Semester II, Semester III and Semester IV). The schedule for the Distance Education System shall be as shown below:

(i) Odd Semesters (i.e., First and Third) : July to December (including End Semester Examinations)

(ii) Even Semesters (i.e., Second and Fourth): January to July (including End Semester Examinations)

The total marks in a Post-Graduate Programme in Distance Education shall be as follows:

- (a) All the M.A. /M.Sc. / M.Com. Programmes of DODL, D.U. are of 2-years duration and the total credit ranges from 64-72.

- (b) Total marks for the two years M.A. /M.Sc. / M.Com. Programmes of DODL, D.U. shall be 1600 per programme.
- (c) 20% of the marks in each course shall be assessed through assignments
- (d) Rest 80% of the marks in each course (paper) shall be assessed through University End Semester Examination.
- The syllabus for each course (paper) shall be divided into block and units keeping in view the Credit value of the course. The norms for delivery of courses through distance mode are as under:

<b>Credit Value of the course</b>	<b>Study input (hours)</b>	<b>Size of SLMs (unit)</b>	<b>No. of Counselling Sessions Theory (10% of total Study hours)</b>	<b>* Practical Session (hours)</b>
2 credits	60	6 – 8	6	60
3 credits	90	10-12	9	90
4 credits	120	14 – 16	12	120
6 credits	180	20 – 24	18	180

\* Some Programmes have practical component also. Practicals are held at designated institutions/ study centres for which schedule is provided by the study centre. Attendance at practical is compulsory.

**(i) Assignment:**

- (i) Assignment shall be a compulsory component of the evaluation process.
- (ii) 20% of the each course (paper) shall be assessed through Assignments (Inter Assessment – In Semester Examination). Rest 80% of the marks in each course (paper) shall be assessed through University End Semester Examination
- (iii) The assignments to be submitted by a student would depend upon the Credit value of the Course, as follows:

<b>Credit value of the course</b>	<b>No. of Assignments</b>
2 Credits	1

3 credits	2
4 credits	2
6 credits	2

- (iv) A candidate may submit assignments in the office of the Directorate of Distance Education or at the Study Centres within the stipulated time. Subsequently the study centres shall transmit all the assignments programme-wise and course-wise to the office of the DODL for assessment.
- (v) Marks secured on the assignments by the candidates, who appeared in the examinations but failed, shall be carried over to the next permissible chances.
- (vi) Marks secured on the assignments by the candidates who filled in the examination forms but did not appear in the examination, shall also be carried over the next permissible chances.
- (vii) A candidate who fails to submit the assignments as per clauses shall be awarded zero in the In Semester Examination in the course where assignment(s) is (are) not submitted.
- (viii) The Internal Assessment evaluation system for the Post Graduate Programme under DODL, Dibrugarh University shall also be assessed and evaluated in OMR (Optical Marks Response) Sheet through Multiple Choice Objective Type Questions and Answers by conducting mid-term examinations.

#### **(j) Examination and Evaluation**

- (i) Examination and Evaluation shall be done on a continuous basis
- (ii) There shall be 20% marks for internal assessment (In Semester) and 80% marks for End Semester Examination in each course during every Semester.
- (iii) There shall be no provision for re-evaluation of the answer – scripts of the End Semester Examinations. However, a candidate may apply for re-scrutiny.
- (iv) Internal assessment is assignment based or OMR based.
- (v) End Semester Examination:
  - (a) There shall be one End Semester Examination carrying 80% marks in each course of a Semester covering the entire syllabus prescribed for the course. The End Semester Examination is normally a written / laboratory-based examination.
  - (b) The Controller of Examinations shall then make necessary arrangements for notifying the dates of the End Semester Examinations and other procedures as per Dibrugarh University Rules (at least 20 days in advance) and the Academic Calendar / Date Sheet notified by the University / DODL, Dibrugarh University.
  - (c) The End Semester Examination for each course shall be of three hours duration.
  - (d) Setting of question papers, moderation of question papers, evaluation of answer scripts, scrutiny, tabulation of marks etc. and announcement of result of results, shall be governed by the Dibrugarh University Examination Ordinance 1972 (as emended up to date).
- (vi) Betterment Examination:
  - (a) A learner shall be entitled to take the “Betterment Examination” in any two theory courses of any of the four semesters after passing the Fourth Semester Examination only once. In this case the higher marks secured by the student shall be retained. The learner shall have to apply for betterment examination within one year after passing the Fourth Semester Examination.
  - (b) No betterment shall be allowed in the practical examination.
- (vii) A learner shall be declared as passed a course, provided he / she secures –
  - (a) at least 45% marks in each course (paper) in the End Semester Examination.

(b) at least 45% marks in the course (paper) in aggregate in the In-and End-Semester Examination.

(viii) A learner shall be declared as passed a Semester, provided he / she passes all the courses of a Semester independently.

(ix) The marks of In – Semester Examinations (i.e., Internal Assessment) obtained by the learner shall be carried over for declaring any result.

(x) A learner who fails or does not appear in one or more courses of any End Semester Examinations up to Fourth Semester shall be provisionally promoted to the next higher Semester with the failed course(s) as carry over course(s). Such learners will be eligible to appear in the carry over course in the next regular examinations of those courses. However, the following restrictions shall be applicable:

**“A learner shall be entitled to avail the chance for a maximum of 5 consecutive years from the date of admission to clear a course or courses as well as the whole programme”.**

(xi) If a learner clears the Fourth Semester Examination before clearing all the courses of the previous semesters, the result of such candidate shall be kept withheld and his / her results shall be announced only after he / she clears the courses of the previous semesters.

(xii) A learner must pass all his / her Semester Examinations within 5 years from the date of admission to the First Semester of any programme.

(xiii) A learner shall be declared to have passed the Fourth Semester M.A. / M. Sc. / M. Com. Degree Programme provided he / she has passed all the Semesters and in all the course separately.

(xiv) The system of evaluation in DODL, D.U. is different from that of the Conventional Department of the University. It has a multi-tire system of evaluation:

(a) Self-assessment exercise within each unit of study.

(b) Continuous evaluation mainly through assignments and/or Internal Assessment Examination through Multiple Choice Questions (MCQ) using OMR sheet.

(c) Term-end examination.

(d) Project work (Programme specific)

(xv) The marks secured by a student in the Assignment / IA – In Semester Examination (20% of each course) is added with the marks secured in that course in End Semester examination which is 80% of the course.

(xvi) The following scale of grading system shall be applied to indicate the performance of students in terms of letter grade and grade points as given below:

% of marks obtained in a course (Assignment + Term End)	Letter Grade	Grade Point	Qualitative Level
Above 95	O	10	Outstanding
85 – < 95	A <sup>+</sup>	9	Excellent
75 – < 85	A	8	Very Good
65 – < 75	B <sup>+</sup>	7	Good
55 – < 65	B	6	Above Average
50 – < 55	C	5	Average
45 – < 50	P	4	Pass
Below 45	F	0	Fail
0	Abs/I	0	Absent / Incomplete

(xvii) The letter Grade ‘B<sup>+</sup>’ and above shall be considered First Class; the Letter Grade (s) ‘B’ to ‘P’ shall be considered as Second Class. However, letter Grade ‘B’ shall be considered as Second Class with minimum of 55% marks.

- (xviii) A learner is considered to have completed a course successfully and earned Letter Grade other than 'F' (Failed) or Abs / I (Absent / Incomplete).
- (xix) If a learner secures 'F' Grade in a Course, he / she shall have to reappear in the Course in the next legitimate chance.
- (xx) Result of the learners appeared in the 'Betterment' examination shall not be counted for the award of Prizes / Medals / Rank or Distinction.
- (xxi) A learner shall have to pay a prescribed fee to appear in the 'Betterment' Examination fixed by the University from time to time.

#### **(k) Conversion of Marks to Grades and Calculation of GPA (Grade Point Average)**

In the Credit and Grade Point System, the assessment of individual courses in the concerned examinations will be on the basis of marks only, but the marks shall later be converted into Grade by some mechanism wherein the overall performance of the learners can be reflected after considering the Credit Points for any given course. However, the overall evaluation shall be designated in terms of Grade. There are some abbreviations used here that need understanding of each and every parameter involved in grade computation and the evaluation mechanism. The abbreviation and formulae used are as under:

##### **Abbreviations and Formula's Used:**

G : Grade

GP : Grade Points

C ; Credits

CP : Credit Points

CG : Credit X Grade (Product of Credit & Grades)

$\Sigma$  CG : Sum of Product of Credits & Grade Points

$\Sigma$  C : Sum of Credit Points.

$$\text{GPA} = \frac{\Sigma \text{CG}}{\Sigma \text{C}}$$

GPA : Grade Point Average shall be calculated for each Previous and Final Year Examination.

CGPA : Cumulative Grade Point Average shall be calculated for the entire programme by considering both Previous & Final Year taken together. It shall be calculate by the formula given below:

$$\text{CGPA} = \left( \frac{\sum C_{ni} G_{ni}}{\sum C_{ni}} \right)$$

Here,

$C_i$  = number of credit for the  $i^{\text{th}}$  course,

$G_i$  = grade point obtained in the  $i^{\text{th}}$  course,

$C_{ni}$  = number of credit if the  $i^{\text{th}}$  course  $n^{\text{th}}$  the year,

$G_{ni}$  = grade point of the  $i^{\text{th}}$  course of the  $n^{\text{th}}$  year

After calculating the GPA for an individual year and the CGPA for the entire Programme, the value can be matched with the grade in the Grade Point table in (xvi) above

\* GPA and CGPA shall be rounded off to 2 decimal points and reported to the Grade Card (Sheet) and Transcript.

#### **(l) Conversion Formula:**

Ordinarily the CGPA earned by a student may be converted to percentage of marks by following the formula mentioned as under:

$$\text{CGPA} \times 10 = \text{Percentage of Marks}$$

#### **(m) Grade Card / Sheet (Reporting of Learners Performance):**



The Grade Card / Sheet issued at the end of end term examination to each learner shall contain the following:

- a. The marks obtained by a learner in each course,
- b. The credit earned for each course registered for that year,
- c. The performance in each course indicated by the letter grade,
- d. The Grade Point Average (GPA),
- e. The cumulative Grade Point Average (CGPA) and
- f. Conversion formula.

**(n) Transcript:**

The University may issue consolidated Transcript on request to the Controller of Examinations which shall contain letter grades, grade points, GPA and CGPA mentioning the Course Title in detail, medium of instruction and programme duration.

**(o) Rules for admission of Unsuccessful and Absentee Candidates**

Unsuccessful learners fails to complete programme within the stipulated time may take re admission in the programme by paying fees fixed by the University from time to time.

**(p) General:**

For any matter not covered under these Regulations for the Directorate of Open and Distance Learning, the existing Dibrugarh University Rules, Ordinances and the Dibrugarh University Act, 1965 (as amended ), The Dibrugarh University Examination Ordinance, 1972 (as amended up to date) and the Dibrugarh University Distance Education Ordinance, 2006 (amended up to date) shall be applicable.

**Requirement of the laboratory support and Library Resources:**

The programme Sociology does not required laboratory support services. Regarding library resources a library was established in the Directorate of Open and Distance Learning in the year 2013 for the learners, teaching staff, administrative staff as well as the employees of the institution. Moreover there is a central library namely “ Lakshminath Bezboroa Granthagar” in the Dibrugarh University.

**Cost estimate of the Programme and Provisions:**

Keeping an eye on the number of applicants applying for the conventional Master Degree in English at Dibrugarh University and the yearly output of Degree learners with major in English from various affiliated Colleges under Dibrugarh University, it can be estimated that around six-seven hundred learners may seek admission to this Programme. If the cost estimate is calculated on 100 learners, the approximate cost is as follows:

Approximate earning (per 100 learners per annum)	= Rs. 720000/-
Development ( <i>SLM writing, editing, review, printing cost, recording, radio slots, remuneration, etc.</i> ):	= Rs. 450000/- (approx.)

Delivery ( <i>Postage, courier, door delivery, etc.</i> ):	= Rs. 20000/- (approx.)
Maintenance ( <i>Syllabus revision, SLM revision, Committee expenses, etc.</i> ):	= Rs. 10000/- (approx.)
Staff Payment and other Expenses	= Rs. 200000/- (approx.)
Total expenditure (approx.)	= Rs. 680000/-
Hence, total earning per 100 learners	= Rs. (720000.00 - 680000.00) = Rs. 40000.00

#### **Quality assurance mechanism and expected programme outcomes:**

Need assessment and tracer studies will be conducted for quality assurance in terms of the Centre for Internal Quality Assurance. Moreover, revision and updating of material by obtaining feedback from students and resource persons will be done. A high powered committee constituted with the Deans, HoDs, Subject Experts from the University Departments and the Directorate will also monitor the syllabus upgradation, curriculum design, and other pedagogical and academic aspects of all programmes of the Directorate of Open and Distance Learning, Dibrugarh University.

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## **PROGRAMME PROJECT REPORT**

**PROGRAMME – MASTER OF ARTS (M. A.) IN EDUCATION: SEMESTER MODE**  
**PREPARED BY CIQA, DODL, DIBRUGARH UNIVERSITY FOR THE ACADEMIC**  
**SESSION 2020-21 ONWARDS**

### **PRESENTED BEFORE**

- The Second Meeting of CIQA Committee on 29.11.2019 for onward process

*Forwarded under report to the forthcoming meeting of BoM and placed  
before the BoS in Education on 03.12.2019*

***RECOMMENDED BY THE BOARD OF STUDIES (BoS) IN EDUCATION  
IN ITS MEETING HELD ON 03.12.2019***

### **PLACED BEFORE**

- The 150<sup>th</sup> Meeting of the Post Graduate Board on 05.12.2019

### **RECOMMENDED BY THE**

- The 150<sup>th</sup> Meeting of the Post Graduate Board to the 118<sup>th</sup> Meeting of Academic Council for Approval

**APPROVED BY THE HON'BLE VICE CHANCELLOR UNDER REPORT TO THE**  
**ACADEMIC COUNCIL**

**PROGRAMME PROJECT REPORT**  
**PROGRAMME – MASTER OF ARTS (M.A.) IN EDUCATION:**  
**SEMESTER MODE**  
**PREPARED BY CIQA, DODL, DIBRUGARH UNIVERSITY FOR THE ACADEMIC**  
**SESSION 2020-21 ONWARDS**

**Programme's Mission and Objectives:**

The mission of the MA programme in Education is to provide learners a wider and more comprehensive understanding of education as a field of knowledge and also to accommodate a wide variety of learning needs of learners. This programme aims at building up professionals for effective participation in different areas of Education. MA programme in Education is a Post-Graduate programme in Education with both disciplinary and professional dimensions of Education as an area of study.

**Relevance of the Program with HEI's Mission and Goals:**

Dibrugarh University is one of the educational centres of excellence, seeking to amalgamate multi-disciplinary fields with numerous theoretical perspectives, the realm of cultural diversity with the praxis of knowledge, and region-specific issues with a global horizon. Dibrugarh University has a prolific and productive industrial academia interface. With its strong global links in teaching and research programmes, the University offers dynamic educational experiences that prepare the next generation to lead and make a difference and thus contribute to the society at large. The parent department, Department of Education is one of the oldest Departments of Dibrugarh University, which started functioning from 20th September 1965. The vision of the Department of Education is to become a premier institution of education of national repute for preparing teachers, teacher educators, educational administrator and researchers in the field of education. Thus, introduction of MA programme in Education will assist the University in this regard.



**Nature of Prospective Target Group of Learners:**

The target group is any Graduate with or without a degree in Education, school teachers, others who want to be Educational Administrators or want to gain knowledge, attitude and skill in the field of Education.

**Appropriateness of programme to be conducted in Open and Distance Learning mode to acquire specific skills and competence:**

Education is not a pure discipline, but combination of several other interesting disciplines like Philosophy, Psychology, Sociology, Economics, History, Management, Statistics and so on. After completion of the programme, the learners will be able to analyse the importance of the above-mentioned disciplines in teaching learning process and accordingly able to apply them in their real-life situation, whether in educational institutions, in research activities or at home dealing with the children.

## Instructional Design:

- The four semester MA programme in Education shall consist of fifteen (15) Core courses, two (2) Elective Courses and out of these two courses one has to be selected by the students. All these sixteen (16) courses, four (4) courses have six (6) credits each, four (4) courses have four (4) credits each and eight (8) courses have three (3) credits each and leading to a total of **sixty-four (64)** credits.
- Each course is divided into three/four/five/six blocks showing marks against each block.
- Every student admitted to the MA Programme in Education shall have to complete at least sixty-four credits to be eligible to receive the degree from the Directorate.
- The elective courses will be offered at Final Semester only. The elective courses will be offered in the following manner:
  - ✓ EDU: 40400 (Specialization: Elective to be selected any one from the following):
    -  40410 Group A: Educational and Psychological Laboratory Practical
    -  40420 Group B: Economics of Education

## Course Structure for MA programme in Education under Distance Mode in Credit System:

### 1<sup>st</sup> Semester:

Course	No. of Assignments	Practical / Tutorial Hours	Counselling Hours	Study inputs	Credits
<b>EDU: 10100: Ancient and Indian Philosophy of Education</b>	<b>2</b>	<b>120</b>	<b>12</b>	<b>120</b>	<b>4</b>
<b>EDU: 10200: Advanced Educational Psychology</b>	<b>2</b>	<b>120</b>	<b>12</b>	<b>120</b>	<b>4</b>
<b>EDU: 10300: Advanced Sociology of Education</b>	<b>2</b>	<b>120</b>	<b>12</b>	<b>120</b>	<b>4</b>
<b>EDU: 10400: Methodology of Educational Research -I</b>	<b>2</b>	<b>120</b>	<b>12</b>	<b>120</b>	<b>4</b>

### 2<sup>nd</sup> Semester:

Course	No. of Assignments	Practical / Tutorial Hours	Counselling Hours	Study inputs (in hours)	Credits
<b>EDU: 20100: Western and Contemporary Philosophy of Education</b>	<b>2</b>	<b>120</b>	<b>12</b>	<b>120</b>	<b>4</b>
<b>EDU: 20200: Methodology of Educational Research -II</b>	<b>2</b>	<b>120</b>	<b>12</b>	<b>120</b>	<b>4</b>
<b>EDU: 20300: Comparative Education</b>	<b>2</b>	<b>120</b>	<b>12</b>	<b>120</b>	<b>4</b>
<b>EDU: 20400: Teacher Education</b>	<b>2</b>	<b>120</b>	<b>12</b>	<b>120</b>	<b>4</b>

**3<sup>rd</sup> Semester:**

<b>Course</b>	<b>No. of Assignments</b>	<b>Practical/ tutorial Hours</b>	<b>Counselling Hours</b>	<b>Study inputs (in hours)</b>	<b>Credits</b>
<b>EDU: 30100: Educational Technology</b>	<b>2</b>	<b>120</b>	<b>12</b>	<b>120</b>	<b>4</b>
<b>EDU: 30200: Measurement and Evaluation in Education-I</b>	<b>2</b>	<b>120</b>	<b>12</b>	<b>120</b>	<b>4</b>
<b>EDU: 30300: Education of Exceptional Children</b>	<b>2</b>	<b>120</b>	<b>12</b>	<b>120</b>	<b>4</b>
<b>EDU: 30400: Educational Planning and Management-I</b>	<b>2</b>	<b>120</b>	<b>12</b>	<b>120</b>	<b>4</b>

**4<sup>th</sup> Semester:**

<b>Course</b>	<b>No of Assignments</b>	<b>Practical/ tutorial Hours</b>	<b>Counselling Hours</b>	<b>Study inputs (in hours)</b>	<b>Credits</b>
<b>EDU: 40100: Educational Planning and Management-II</b>	<b>2</b>	<b>120</b>	<b>12</b>	<b>120</b>	<b>4</b>
<b>EDU: 40200: Measurement and Evaluation in Education-II</b>	<b>2</b>	<b>120</b>	<b>12</b>	<b>120</b>	<b>4</b>
<b>EDU: 40300: Current Issues and Challenges in Indian Education</b>	<b>2</b>	<b>120</b>	<b>12</b>	<b>120</b>	<b>4</b>
<b>EDU: 40400 (Specialization: any one elective to be selected from the following):</b>					
<b>40410: Group A: Educational and Psychological Laboratory Practical</b>	<b>2</b>	<b>120</b>	<b>-----</b>	<b>120</b>	<b>4</b>
<b>40420: Group B: Economics of Education</b>	<b>2</b>	<b>120</b>	<b>12</b>	<b>120</b>	<b>4</b>

## **Detailed Syllabus of MA in Education Programme:**

### **1<sup>st</sup> Semester:**

#### **EDU: 10100: Ancient and Indian Philosophy of Education.**

**Blocks: 3, Units: 15**

**Credits: 4**

#### **Course objectives:**

To enable the students to develop an understanding about the -

- Concept of Philosophy of Education
- Different Indian schools of Philosophy and their influence on Education
- Views on Education of various Indian thinkers.

#### **Block I: Philosophy of Education:**

- Meaning, Nature, Characteristics and Scope of Philosophy
- Epistemology.
- Metaphysics.
- Axiology
- Philosophy and Education
- Philosophy as determinant of aims of Education
- Philosophy and curriculum
- Philosophy and methods of teaching
- Philosophy and teacher's role in Education

#### **Block II: Schools of Philosophy (Indian Schools) and their impact on Indian Education:**

- Introduction to Indian Philosophy
  - The Astika Class
  - The Nastika Class
- Vedic Philosophies:
  - Samkhya, - theory of Causation, Prakriti and Purusha, bondage and salvation, epistemology. Educational implications
  - Yoga-relation with Samkhya, ashtanga yoga. Educational implications
  - Vedanta Philosophy- sub-schools of Vedanta, Educational implications
- Non-Vedic Philosophies:
  - Carvaka,-meaning, accidentalism and naturalism, denial of inference, the denial of validity of vedas, Materialism, hedonism and Educational implications of Carvaka.
  - Buddhism- concept of Buddhism, four noble truths, noble eight-fold path, Buddhist literature and its educational implications
  - Jainism-concept and origin of Jainism, the Tir than Karas, Mahavira, Principles and Literature of Jainism



- Islamic Educational Thought-
  - Islamic view of Knowledge
  - Definition and meaning of Knowledge in Islamic tradition
  - Sources and types of Knowledge
  - Logic and Knowledge
  - Types of Knowledge-philosophical and Prophetic
  - Issues in Islamic theory of Knowledge
  - Modes of Communicating Knowledge
  - Socio-cultural Impact of Islamic knowledge in Indian Education
  - Common features and strength of Islamic knowledge

### **Block III: Views on Education of (Indian Thinkers)**

- Vivekananda,
- Sankardeva,
- Mahatma Gandhi,
- Aurobindo,
- J.Krishnamurthy,

## **EDU: 10200: Advanced Educational Psychology.**

**Blocks: 5, Units: 16.**

**Credits: 4**

### **Course Objectives:**

To enable the students to understand:

1. The contribution of different schools of psychology to education.
2. Theories of teaching, learning & intelligence.
3. Thinking process, creativity and problem-solving methods.
4. The measurement of personality and the psycho-dynamics of adjustment.

### **Block I : Schools of Psychology and their bearing on Education**

- Behaviorism, Gestaltism,
- Psycho-analysis, Contemporary Schools
- Humanist (Maslow, Rogers, Allport);
- Transpersonal psychology;
- Cognitive Psychology

### **Block II : Theories of Learning:**

- Learning : Meaning & Nature ,
- Gagne's Hierarchy of learning
- Theories of learning:
  - Connectionist or Behaviorist theories:  
Thorndike's theory, Guthrie's Contiguity theory,  
Pavlov's Classical Conditioning Theory  
Skinner's Operant conditioning theory.
  - Cognitive theories:  
Theory of Insightful learning;

Lewin's Field theory,  
Tolman's Sign Gestalt learning,  
Bandura's Social Learning theory.

### **Block III : Intelligence**

- Meaning & Nature of Intelligence:
- Theories of intelligence:
- Factor theories of Intelligence –  
(1) Unitary, (2) Multifactor theory, (3) Spearman's Two Factor theory  
(4) Group Factor theory ,(5) Guilford's Structure of Intellect
- Cognitive Theories of Intelligence –  
1) Cattell and Horne's theory  
(2) Jensen's theory of Mental functioning  
(3) Stenberg's Information Processing theory of intelligence;  
(4) Gardner's theory of Multiple Intelligence.

### **Block IV : Personality**

- Meaning and concept of personality,
- Theories of personality:  
Type theories and Trait theories of personality
- Assessment of personality:  
Projective Techniques:  
(Word Association Test, Rorschach Test, TAT)

### **Block V: Psychology of Adjustment**

- Adjustment as achievement,
- Adjustment as a process,
- Adjustment Mechanism
- Concept of Mental Health;  
Causes of Maladjustment;
- Mental Health Hazards –  
Frustration & Conflict:  
Operations of Frustration; Treatment: Follow up services.

**EDU: 10300: Advanced Sociology of Education.****Blocks: 5, Units: 15****Credits: 4.****Course Objectives:**

To enable the students to develop an understanding about the

1. the concept, approaches and theories of educational sociology
2. the social aspects of education
3. the relationship between education, changes and development
4. different political ideologies and their bearings on education
5. the inequalities, equalities and excellence in education

**Block I: Educational Sociology:**

- Meaning, Nature & Scope of Educational Sociology.
- Interrelationship between Sociology and Education.
- Theories of Educational Sociology,  
Concept and meaning of Theory
- Conflict theory-concept, basic principles, characteristics, educational implications, merits and demerits.
- Consensus Theory- concept, basic principles, characteristics, educational implications, merits and demerits

**Block II: Education and Culture**

- Concept and meaning of culture.
  - Types and forms of culture.
  - Characteristics of culture.
- Process of Cultural Growth: meaning and theories of Cultural Growth
- Theory of Cultural evolution.
- Theory of diffusion of Culture
- Various process responsible for Cultural Growth.
- Education as an instrument of preservation, transformation & promotion of culture
- Education and Cultural Change.

**Block III: Education, Social Change and Modernization**

- Social, Economic and Technological factors in social change
- Education as an agency of Socialization.
- Education and social mobility.
- Education and modernization.
- Education as an instrument of Human Resource Development
- Education and Economic development.

**Block IV : Major Political Ideologies and their influence on Education**

- Democracy and Education.
- Education and Secularism
- Education for a socialistic pattern of society
- Panchayat & Rural Development

**Block V : Education in India:**

- Inclusion and Excellence in Education
- Education of the socially and economically disadvantaged sections of the society with special reference to SC., ST., women and rural population.
- Issues of quality, relevance and excellence in Indian Education

**EDU: 10400: Methodology of Educational Research-I****Blocks: 4, Units: 14****Credits:4****Course Objectives:**

1. To develop an understanding of scientific thinking to acquire valid knowledge.
2. To enable the students to understand about the nature, scope, need of educational research
3. To acquaint them with modalities necessary for formulating research problem
4. To develop the ability to use some statistical methods to analyze and interpret educational data
- 5.. To develop knowledge and skill to do research in the field of education.

**Block I : Introduction to Research in Education.**

- Scientific thinking
  - -knowledge and its sources
  - Method of acquiring knowledge
- Research.
- Educational Research:
  - Meaning, Nature, Scope, Need and Importance
- Areas of Educational Research:
  - Interdisciplinary Research
- Types of Research:
  - Fundamental, Applied and Action Research.
  - Qualitative and Quantitative Research

**Block II: Research Process:**

- Steps in Educational Research
  - Formulation of Research Problem:
  - Criteria and Sources for identifying the problem;
  - Defining the problem.
- Review of Related literature:
  - Purpose, need, identification and organization.
- Formulation of Hypotheses:
  - Meaning, importance, characteristics, types and forms.
- Collection of Data,
- Analysis of Data
- Concept of writing a Research Report

**Block III: Sampling Techniques**

- Concept of population and sample
- Probability sampling:
  - Random,
  - Stratified,
  - Cluster
  - Multistage sampling.
- Non probability sampling:
  - Quota,
  - Incidental,
  - Judgmental
  - Purposive sampling.

**Block IV: Statistics in Educational Research**

- Descriptive statistics
- Normal probability distribution:
  - Characteristics of Normal Probability Curve (NPC),
  - Divergence from normality,
  - Application of NPC.
- Correlation:
  - Assumptions, Computations and Uses
  - Interpretation of product moment coefficient of correlation.

**2<sup>nd</sup> Semester:**

**EDU: 20100: Western and Contemporary Philosophy of Education.**  
**Blocks: 3, Units: 15** **Credits: 4**

**Course objectives:**

To enable the students to develop an understanding about the -

- Different western and contemporary schools Philosophy and their influence on Education
- Views on Education of various Western thinkers.

**Block I: Schools of Philosophy (Western schools) and their impact on Indian Education**

- Idealism-
  - Statement of Idealism as a theory,
  - Types of Idealism
  - Influence of Idealism on Education
- Naturalism-
  - Statement of Naturalism as a theory,
  - Impact of Naturalism on Education
- Pragmatism-
  - Meaning and Aims

- Pragmatism in relation to Idealism and Naturalism
- Impact of Pragmatism on Education
- Methods of Instruction
- Realism:
  - Native or popular Realism
  - Scientific Realism
  - Neo- Realism
  - Critical- Realism
  - Impact of Realism on Education and Indian Education

**Block II: Contemporary Philosophies and their Educational Implications:**

- Existentialism-
- Marxism
- Logical Positivism,
- Post-Modernism

**Block III: Views on Education of (Western thinkers)**

- Rousseau,
- Dewey
- Paulo Freire,
- Wollstonecraft,
- Nel Noddings

**EDU: 20200: Methodology of Educational Research -II**

**Blocks: 4, Units: 15**

**Credits:4**

**Course Objectives:**

1. . To enable the students to understand major approaches for conducting educational research
2. To develop the ability to use some statistical methods to analyze and interpret educational data
- 3To develop knowledge and skill to do research in the field of education.

**Block I: Methods of Educational Research**

- Historical Method: Meaning, Nature and steps.
- Descriptive Method:
  - Meaning, Nature and Steps,
  - Survey studies, Case Studies
- Experimental Method
  - Meaning, Nature and steps
- Characteristics of Experimental Research:
  - Control, Manipulation Observation and Replication

**Block-II: Research Tools:**

- Research Tools and Techniques
- Characteristics, types, construction and uses of
  - Psychological tests,
  - Questionnaire,
  - Observation,
  - Interview
  - Socio-metric techniques.

**Block III: Writing Research Report:**

- Writing a research Paper
- Writing a Thesis or Dissertation
- Format, Chaptalization
- Characteristics of a good research report
- Referencing (, Use of abbreviations, footnotes and bibliography),
- IPR and Plagiarism

**Block IV: Statistics in Educational Research**

- Test of Significance of single sample mean
- Significance of difference between independent & Correlated Means,
- One tailed & Two tailed tests of significance,
- Type I & Type II errors in making inferences.
- Introduction to analysis of variance: concept, assumptions & computation of one-way ANOVA.

**EDU: 20300: Comparative Education.****Blocks: 5, Units: 15.****Credits: 4****Course objectives:**

To enable the students to develop an understanding about the -

- Concept and development of Comparative Education
- Various approaches and methods of studying Comparative Education.
- Comparative study of different Education Levels of India with reference to Developed Countries ( *USA, UK, Japan, India.*)
- Challenges of Education in developing countries
- Role of National & International Bodies in education of different countries.

**Block I : Meaning, Nature and Scope of Comparative Education**

- Meaning, Development and Scope
  - Juxtaposition
  - Intra-educational analysis.
- Factors affecting national systems of Education.

**Block – II : Approaches to & Methods of studying Comparative Education :**

- Approaches :
  - Historical approach.
  - Cross – disciplinary approach.

- Problem approach
- Methods :
  - Descriptive Method
  - Statistical Method
  - Psychological Method

**Block – III : A comparative study of Developed Countries with reference to India:**

- Elementary Education: with reference to – USA, UK, Japan, India
- Secondary education: with reference to – USA, UK, Japan, India.
- Vocational education with reference to – USA, UK, Japan, India.
- Higher education. with reference to – USA, UK, Japan, India.

**Block – IV : Challenges of education in developing countries :**

- Characteristics of Developing countries:
  - Political and Economic Stability and Education
  - Poverty, Hunger and Population problems
- Emerging Challenges of education in developing countries:
  - Equalization of Educational Opportunities
  - Adult education

**Block - V: Role of National & International Bodies –**

- UNESCO
- SAARC
- ASEAN
- Human Rights Commission of India.

**EDU: 20400: Teacher Education.**

**Blocks: 5, Units: 14**

**Credits: 4**

**Course Objectives:**

To enable the students to develop an understanding about the -

- Concept of Teacher Education
- Development of Teacher Education.
- Policies and Programmes for improvement of Teacher Education

**Block I : Concept of Teacher Education.**

- Meaning, nature, aims and objectives of Teacher Education
  - The Teacher and the Professional growth.
  - Professional Ethics
- History of Teacher Education in India
  - Teacher Education in Pre-Independence and Post-Independence period.
  - Education of Teacher Educators.



- Reforms in Teacher Education.

## **Block II : Teacher Education Programmes**

- Pre-service Education of Teachers.
- Functions of Teachers' Organization.
- Role of National Council of Teacher Education (NCTE),
  - NCERT, SCERT, DIET, CTE and SSA in Teacher Training.
- In-service Teacher Education:
  - Needs and objectives of Teacher Education
  - Integrated Teacher Education Programme.
- Major drawbacks and possible remedies of Teacher Education in India.

## **Block III: Curriculum of Teacher Education at various levels.:**

- Primary, secondary and higher.
  - Culturally relevant teacher education.
  - Envisioning Quality and relevance in Teacher education programme.
- Evaluation process in Teacher Training Programme.
  - Value Orientation in Teacher education.

## **Block IV: Educational Technology in Teacher Education.**

- Overhauling Teacher Education through Educational Technology
- Modernization and Re-vitalization of Secondary Teacher Education – Issues and challenges.

## **Block V: Teacher Education in North-East India**

- Background of Teacher Education in North-East India
- Problems and Issues of Teacher Education in North East India

### 3<sup>rd</sup> Semester

#### **EDU: 30100: Educational Technology.**

**Blocks: 5, Units: 15**

**Credits:4**

#### **Course Objectives:**

1. To develop an understanding of the meaning, nature, scope, functions and importance of educational Technology.
2. To develop an understanding about the relationship between Communication and Teaching
- 3 To acquaint the learners with Stages, Levels , Models of teaching and Programmed Instruction
5. To familiarize the students with different instructional strategies such as lecture, team teaching, Seminar, Tutorials, Brain storming and Educational games.

#### **Block I: Concept of Educational Technology:**

- Concept, History and Characteristics of Educational Technology
- Components of Educational Technology
  - Methods, Material, Media and Manpower
- Approaches of Educational Technology:
  - Hardware, Software and Systems Approach
- Educational Technology as System Approach to Education,
  - Steps and Characteristics of Systems Approach,
  - Advantages and Limitations of Systems Approach
  - Purpose of Systems Approach
- Educational Technology and Instructional technology.

#### **Block – II: Communication and Teaching.**

- Components of communication process
- Types of communication
- Verbal and Non-verbal communication
- Barriers to Effective classroom Communication.
- Guidelines for better classroom communication.

#### **Block – III: Stages, Levels and Models of teaching.**

- Concept of Teaching and its related aspects
- Meaning, Characteristics, structure and principles of Teaching
- Difference between teaching, instruction, conditioning and training.
- Memory, Understanding and Reflective teaching.
- Pre-active, interactive and post-active teaching.
- Model of Teaching: concept, elements and Characteristics of Model of Teaching
- Concept Attainment Model: Fundamental elements, phases, characteristics and families of models of teaching.
- Merits and Demerits of Concept Attainment Model
- Application of Concept Attainment

**Block – IV: Programmed Instruction**

- Programmed Instructions
  - Concept, History, Characteristics
  - Fundamental Principles of
- Types of Programmed Instruction,
  - Linear, Branching and Mathetics
- Teaching machine
  - History, Meaning Characteristics and Components of Teaching Machine,
  - Advantages and Disadvantages of Teaching Machine
- Computer Assisted Instruction:
  - Definition, Salient features, History, Basic Assumptions and Characteristics of Computer Assisted Instruction
  - Technologies and Operations in Computer Assisted Instruction
  - Role of Teacher in Computer Assisted Instruction
  - Modes of Delivery of Computer Assisted Instruction
  - Advantages and Limitations of Computer Assisted Instruction
- Emerging trends in Educational Technology
  - Teleconferencing,
  - Videodisk,
  - Videotext,
  - EDUSAT

**Block V: Designing Instructional System:**

- Formulation of Instructional Objectives
  - Definition and Meaning of Educational Objectives
  - Types of Objectives
  - Relationship between the Cognitive and Affective Domains
    - Taxonomy of Cognitive Educational Objectives and Learning Outcomes
    - Taxonomy of Affective Educational Objectives and Learning Outcomes
  - Need for Writing Objectives in Behavioural Terms
  - Methods of Writing Objectives in Behavioural Terms
  - Behavioural Objectives of Cognitive Domain
  - Behavioural Objectives of Affective Domain
  - Behavioural Objectives of Task Analysis
- Task Analysis:
  - Concept, Objectives and Types of Task Analysis.
  - Content Analysis
  - The Application Aspect of the Content Analysis.
- Designing Instructional Strategies:
  - Lecture,
  - Team Teaching,
  - Seminar,
  - Tutorials,
  - Brain storming
  - Educational Games.

**EDU: 30200: Education of Exceptional Children.****Blocks: 5, Units: 15****Credits:4****Course Objectives:**

After studying the course, the students are expected to realize the following objectives:

1. Explain the concept of exceptional children in different perspectives.
2. Examine critically the concept, nature and characteristics and identification of various disabilities.
3. Explain the policies and legislation at the national and international levels.
4. Enumerate the current needs, trends and issues related to education and special education.
5. Focus the present trends and future perspectives in education and special education

**Block I : Concept of Exceptional Children**

- Categories of exceptional children
- Concept and nature of special education.
- Historical perspective of special education.
- Various special education services.
- Constitutional provision for exceptional children

**Block – II : Education of Mentally Challenged**

- Characteristics, Educable mentally challenged
- Teaching strategies
- Curriculum program
- Remedial programmes.
- Etiology and prevention.

**Block – III : Education of the Visually and Hearing Challenged**

- Education of the Visually Challenged:
  - Degree of impairment
  - Etiology and prevention
  - Educational programmes.
- Education of the Hearing Challenged
  - Degree of impairment
  - Etiology and prevention
  - Educational programmes

**Block – IV : Education of the Orthopedically challenged**

- Types,
- Characteristics
- Educational programmes

**Block – V: Education of the Gifted and Creative Children.**

- Gifted and Creative Children
  - Characteristics,
  - Creativity and identification process
  - Educational programmes
- Gifted and Underachievement

**EDU: 30300: Measurement and Evaluation in Education -I.**  
**Blocks: 3, Units: 14**

**Credits: 4**

**Course objectives;**

To enable the students to develop an understanding about the -

- Concept and Nature of Measurement in Education and Psychology
- Concept and Development of various psychological Tests.
- Construction and standardized of Tests
- Concept of Correlation

**Block I: Concept of Measurement and Evaluation in Education:**

- Concept of Measurement
  - Measure and Measurement
- Nature of Measurement in Education & Psychology,
- Different Levels of Measurement,
  - Measurement of Physical quantities
  - Measurement of Mental and Psychological Traits
  - Tools and Techniques of Measurement
  - Measurement and Data.
  - Different Scales of Measurement
    - Nominal, Ordinal Ratio and Interval.
- The concept of Evaluation
  - Nature and Scope of Evaluation in Education and Psychology.
  - Characteristics of Effective Evaluation
  - Purposes of Evaluation of Pupil-behaviour
  - Areas of Evaluation of Pupil-behaviour
    - Process and Product Evaluation
    - Diagnostic Evaluation
- Relationship among Educational Objectives, Learning Experiences and Learning Outcomes:
  - Taxonomy of Educational Objectives
    - The Cognitive Domain
    - The Conative Domain
    - The Affective Domain
    - Educational Objectives and our Schools
  - Learning experiences:
    - Book Reading and real experiences
    - Supplements to Book-Reading
- Formative and Summative Evaluation.
  - Evaluation of Learning Out-come
    - Comparison of evaluation and examination
  - Criterion-referenced and Norm-referenced Evaluation
  - Evaluation and Instruction

- Evaluation at various stages

## **Block II : Concept of Tests :**

- Meaning of Tests
  - Some terms related to Test and Testing
- Different Types of Tests:
  - Essay Type, Objective Type, short Answer type Tests
  - Teacher-made and Standardized Tests
- Standardized Tests
- Psychological Tests:
  - Observation
  - The Interview
  - The questionnaire
- Characteristics of a Good Evaluative Tool
  - Validity:
    - Face validity,
    - content validity
    - concurrent validity
    - predictive validity
    - construct validity.
  - Reliability-
    - Conditions affecting Reliability
    - methods of estimating reliability,
    - Kuder-Richardson 20,
    - Factors affecting Reliability estimates
  - Objectivity
  - Norms-
    - Age Norms
    - Grade Norms
    - Percentile Norms
    - Standard Score Norms
    - Norms and Standards
  - Administrability,

## **Block III: Construction and Standardization of Tests:**

- Construction of Achievement test
  - Meaning and Types of Test
    - Psychological Test
  - Testing of School Achievement
  - Teacher-made Test
    - Types of Test Item
    - Blue print of Teacher-made Test
    - Function of Teacher-made Test
    - Weaknesses of Teacher-made Test
  - Standardized Achievement Test.
    - Difference between Teacher-made Test and Standardized Tests
    - Classification of Standardized Tests
    - Evaluation of Standardized Tests

**EDU: 30400: Educational Planning and Management -I.**  
**Blocks: 4, Units: 15.**

**Credits: 4**

**Course Objectives**

1. To enable the students to understand the meaning, definition, levels and process of management and also to acquaint them with the approaches and some specific trends in educational administration.
2. To acquaint the students with meaning, nature, process, development and styles of leadership.
3. To acquaint the students with meaning, nature and functions of supervision and also to enable students to understand supervision as service activity, as a function, as educational leadership and as a process.

**Block – I : Educational Management : Administration**

- Educational Management
  - Basic Concepts
  - Definitions
- Levels of Educational Management
- Process of Educational Management
- Difference between management and administration

**Block – II: Approaches to Management:**

- Classical approach:
  - Contribution of F.W. Taylor,
  - Contribution of Henri Fayol
  - Contribution of Max Weber
- Human Relation Approach
  - Contribution of Elton Mayo
  - Contribution of M.P. Follet
  - Contribution of Abraham Maslow
  -
- System Approach and Quantitative Approach

**Block – III: Specific Trends in Educational Administration:**

- Decision – Making
- Organizational Compliance
- Organizational Development
- Program Evaluation and Review Technique (PERT)
- Total Quality Management (TQM).

**Block-IV- Leadership in Educational Administration:**

- Meaning and nature of leadership.
- Theories of Leadership;
  - Path Goal theory
- Styles of Leadership
- Measurements of leadership; (LBDQ)

**4<sup>th</sup> Semester:**

**EDU: 40100: Educational Planning and Management-II**

**Blocks: 4, Units: 15.**

**Credits: 4**

**Course Objectives**

1. To acquaint the students with meaning, nature and functions of supervision and also to enable students to understand supervision as service activity, as a function, as educational leadership and as a process.
2. To orient the students with nature of educational finance, sources of allocation of funds, budgeting, maintenance of accounts, sharing and distribution of financial responsibility, mobilization of local resources and private and self -financing in educational institutions.
3. To enable the students to understand the meaning, nature and significance of educational planning and also to acquaint them with manpower forecasting, manpower planning, human capital formation, perspective planning and institutional planning.

**Block – I: Educational Planning:**

- Meaning and Nature
- Approaches to educational planning.
- Scope of educational planning:
- Manpower forecasting
- Man-power planning
- Human Resource Development
- Perspective planning
- Institutional planning

**Block II: Educational Supervision**

- Meaning and Nature
- Supervision and its various aspects:
  - Supervision as Educational Leadership
  - Supervision as a Service Activity
- Traditional vs Modern Supervision
- Functions of supervision

**Block –III: Educational Financing**

- Resources and Expenditure of Education
- Principles of Educational Finance



- Economic Transactions Concerned with Education
- Sharing and distribution of financial responsibility
- Mobilization of local resources.

#### **Block-IV: Financing Higher Education in India**

- Financing the higher education in India:
  - Challenges and strategies of financing the Higher Education in India,
- Theoretical considerations of financing education.
- Role of centre, state and institutions for Financing Education,
  - Grant in-aid scheme.

### **EDU: 40200: Measurement and Evaluation in Education-II.**

**Blocks: 3, Units: 10**

**Credits: 4**

**Course objectives;**

To enable the students to develop an understanding about the -

1. Construction and standardized of Tests
2. Assessment of Personality
3. Concept of Correlation and Non-parametric test

#### **Block I: Construction and Standardization of Tests: (Continued)**

- Intelligence Tests
  - Binet-Simon Test and its various revisions
- Group and Individual Test,
- Verbal and Non-verbal Tests.
- Aptitude Tests (DAT)
- Performance Tests.

#### **Block II: Assessment of Personality:**

- Projective Techniques
  - Word Association,
  - T.A.T.
  - Rorschach test,
  - Cattell's P.F.
- Attitude Scales
  - Thurstone Method
  - Likert's method
- Interest Inventory:
  - The Kuder Interest Inventory

#### **Block III: Correlation and Non-parametric test**

- Special correlation Methods
  - Biserial, Point-biserial,
  - Tetrachoric,

- Phi-coefficient,
- Contingency Coefficient
- Partial correlation and Multiple correlation,
- Multiple Regression Equations.
- Non parametric Statistics:
  - Sign Test
  - Median Test

## **EDU: 40300: Current Issues and Challenges in Indian Education.**

**Blocks: 6 Units: 20**

**Credits: 4**

### **Course objectives:**

After studying the course, the students are expected to realize the following objectives:

1. Explain the concept of. Current Issues and Challenges in Indian Education
2. Discuss the Constitutional Provisions of Education
3. Analyze Globalization and its influence Indian Education
4. Discuss about Peace Education and Education for International Understanding.
5. Enumerate the current needs, trends and issues related to Environmental Education and Education for Sustainable Development.
6. Discuss about Population Education and Adolescence Education
7. Focus on the various Problems of Indian Education

### **Block – I : Constitutional Provisions of Education**

- Articles related to Education
- Centre-state relations with regard to Education
- Education as a Fundamental rights

### **Block – II : Globalization and Indian Education**

- Main features of Globalization
- Role of Education in Meeting challenges of Globalization
- Education under GATS umbrella
- Foreign Direct Investment (FDI) in Education
- WTO, GATS, FDI and future of Indian Education.

### **Block – III : Peace Education and Education for International Understanding.**

- Obstacles of Peace
- Role of Education in promoting peace
- Basic principles of promote peace in classroom.
- Internationalism in Indian Education
- Role of Education in International Understanding.

#### **Block – IV: Environmental Education and Education for Sustainable Development**

- Concept and need of Environmental Education
- Major Environmental problems,
- Concept of sustainable development.
- Education for sustainable development

#### **Block– V: Population Education and Adolescence Education**

- Population Education:
  - Concept and need of Population Education
  - Plan and politics of Indian Government
  - Curriculum for Population Education
- Adolescence Education:
  - Concept and need of Adolescence Education
  - Plan and politics of Indian Government
  - Curriculum for Adolescence Education
  - Problems related with adolescence Education

#### **Block – VI : Problems of Indian Education**

- Accessibility and Universalization of Primary Education
- Language Problem
- Value Crisis,
- Educated Unemployment

**EDU: 40410: Educational and Psychological Laboratory Practical.**  
**Blocks: 5 , Units: 14. Credits: 4**

(\*The candidates will be required to perform the experiments in the laboratory)

#### **Block – I : Assessment of Learning- I**

- Memory –
  - Recall and Recognition of Words, Figures, Numbers
- Span of Apprehension,
  - Dots, Meaningful and Non-meaningful Words

#### **Block – II : Assessment of Learning- II**

- Part and Whole learning
- Mirror Drawing (Tracing) Experiment
- Memorization of non-sense syllables and Words
- Mirror Drawing (Bilateral)
- Human Mage

#### **Block – III : Assessment of Intelligence**

- Alexander's Pass-A-long Test. (to determine concrete intelligence)
- Koh's Block Design Test (Intelligence)
- Non-verbal Intelligence Test

**Block – IV : Assessment of Personality**

- Thematic Apperception Test,
- Rorschach Ink Blot Test.

**Block V : Assessment of some other personality dimensions**

- Child Apperception Test (Indian adaptation)
- Home Environment (K.S. Mishra) English.
- Aptitude Testing (Specific intelligence),
- Creativity testing (S. Passi Test).

N.B. Emphasis should be given on such experiments, which generate data and facilitate application of statistical technique. In the practical examination tasks involving administration of tests and interpretation of test scores should be incorporated. Hypothetical data may also be provided in the question paper for comparison with the collected data by applying statistical procedures.

**EDU: 40420: ECONOMICS OF EDUCATION.****Blocks: 5, Units: 14.****Credits: 4****Course Objectives:**

1. To develop an understanding of the meaning, nature, scope, functions and importance of economics of education.
2. To familiarize the pupils with interrelationship between education and economics cost and production in education, recent trends in economics of education.
3. To develop an understanding of the education as an economic good, investment, industry and a consumption activity.
4. To acquaint the learners with education as a tool of economic development and human capital formation
5. To enable the students to understand Man Power planning, educational planning, economic aspects of educational planning etc.
6. To acquaint the learners with taxonomy of cost and benefits of education, input-output relationship etc.
7. To familiarize the pupils with different aspects of financing higher education.

**Block I : Concept of Economics of Education**

- Meaning, Nature and Scope of Economics of Education.
- Historical Retrospect of Economics of Education (World and Indian Perspectives),
- Functions and Importance of Economics of Education,
- Analogy of Economics to Education.
- Concept and significance of cost and production in Education
- Economic transactions concerned with Education
- Recent trends in Economics of Education

**Block-II: Education as Investment and Consumption.**

- Education as an investment activity
  - Personal, social and national aspects.

- Education as a consumption activity (concept, significance and strategies)
- Education as an Economic good, Education as an industry.

### **Block – III : Education and Economic Development**

- Meaning, indicators, role of Education,
- Human Capital formation
  - Concept, Characteristics, role of Education
- Man-power planning:
  - Concept, features, importance
- Educational planning:
  - Concept, types, principles and importance.
- Economic aspects of Educational planning:
  - Meaning, need, different aspects),
- The problem of educated unemployment,
  - Underemployment and brain drain- remedial measures.

### **Block – IV: Economic Aspects of Education**

- Cost-Benefit analysis of Education
  - Concept, characteristics, importance, techniques
- Taxonomy of Cost of Education
  - Primary, secondary and higher level
  - Taxonomy of benefits of Education at all levels of education,
  - Input-output Analysis.

### **Block – V: Educational Finance and Financing Education in India**

- Educational Finance:
  - Concept and Importance of Educational Finance
  - Nature and Principles of Educational Finance
  - Sources and agencies of Educational Finance
  - Maintenance of accounts in Educational Institutions
- Budgeting: Concept and process of Budgeting
- Theoretical considerations of Financing Education.
- Trends in of Financing of Education in India
- Challenges and strategies of Financing in India:
- Role of centre, state and institutions for Financing Education, Grant in-aid scheme.
- Private initiatives in financing of Education and PPP in Financing Education
- Exploring options for financing Higher Education

### **FACULTY AND SUPPORT STAFF REQUIRED:**

At present, the Directorate has only one full-time Assistant Professor and one Associate Professor (from parent department) for the MA programme in Education. DODL will take the help and services from the faculties of parent department and from the faculties of nearby affiliated colleges. DODL has adequate support staff.

## RESEARCH AND MEDIA SUPPORT SERVICE

- The Research and Media Support Service wing has been established with a twofold objective to facilitate in house research Distance Education as well as supplement the distance learners with multi-media facilities. It includes information about the various events organized by the Directorate, assisting in administrative works, support with ICT tools etc.
- Media Support Service provides supplementary support to the Learners as follows:
  - ❖ **Radio Programmes GYAN -MALINEE:** On every Thursday at 8pm from All India Radio, Dibrugarh Centre, (M/W- 521.1). It has also its own Community Radio Station (FM 90.8).
  - ❖ **Multi-media CDs:** The Directorate has decided to provide its learners with course related Video CDs, which may give a good support to the learning process of the learners.
  - ❖ **Bulk SMS:** The Bulk SMS to the learners providing information regarding Counselling programmes, Personal Contact programmes, Assignments, Date and Results of Examination, other Administrative and Examination related information and so on. (if DO NOT DISTURB service is NOT activated in the contact numbers.)
  - ❖ Updating all the necessary information in the website: **[www.ddedu.org](http://www.ddedu.org)**.
 

Some of the facilities, apart from the general information are -

    - Assignment questions.
    - Important dates.
    - Result.
    - Already broadcasted Radio programmes.
  - ❖ **Internet facility:**
  - ❖ All enrolled students of the Directorate can avail the facility of the computer laboratory with internet facility in the HQs of the Directorate. Moreover, they can update themselves by logging in the website of the Directorate.

## PERSONAL CONTACT PROGRAMMES / COUNSELLING PROGRAMMES:

The Directorate conducts weekend counselling for its learners. The personal contact programmes for these courses are also provided by the Learner Support Centers and the coordinators inform the schedules to the learners enrolled at their respective study centers. Apart from that the Directorate also conducts the following meets for the learners:

- **Induction Meet** for the Fresh Learners

The DODL organizes one-day Induction Meet for the learners before commencement of Counselling Sessions of first semester to give a clear map of the open and distance learning. It is a two-way interactive meet.

- **Learners Meet** for the already enrolled learners.

The DODL organizes learners meet to address their different problems related to the process learning.

- **Varsity Week :**

It is the Cultural and Sports confluence of the Dibrugarh University where the learners of DODL participate along with the formal mode students of the University. It is organized once in a year.

## **PROCEDURE FOR ADMISSIONS, CURRICULUM TRANSACTION AND EVALUATION:**

### **a) Eligibility for Admission:**

- (i) Graduates (10 + 2 + 3 pattern) from any recognized university in the Major or Honours or General courses may apply for admission into a post-graduate course offered in Distance Education, D.U. and get themselves registered as learners of Distance Education, D.U.
- (ii) Provisionally admitted learners shall have to produce the transcript issued by the institution last attended or, the original mark sheet and other testimonials for verification at the Office of the DODL, D.U. as and when call for. On production of transcript/original mark sheet and other testimonials their admission to the DODL, D.U. will be confirmed latest by January.
- (iii) Students admitted shall be issued enrolment no.
- (iv) Notwithstanding any rules and procedures, a student may be refused admission if his/her past conduct in the educational institution last attended has not been satisfactory. A student who has been expelled/ rusticated or disqualified by the university may also be refused admission.
- (v) Admission of a student can be cancelled at any stage if it is found that he/she furnished incorrect information or has suppressed facts to secure admission. If any dispute arises out of such refusal/ cancellation, the decision of the Vice-chancellor, D.U. shall be final.
- (vi) The fees for the Post-Graduate Programmes in Distance Education shall be fixed by the university from time to time. Such fee shall include Admission

Fee, Counselling Fee, Course Material Fee, Postal charges etc., payable in single instalment at the time of admission. No cash deposition of fees shall be considered. Fees shall be accepted only in the form of a demand draft. Otherwise online payment mode of fees is highly recommended.

- (vii) The subject taken for M. A. / M. Com. programme may not necessarily be one of the subjects in his/her degree course. The candidate may be allowed to appear in any subject having relevant/ allied subject at the degree level.
- (viii) Mathematics in Degree level is a mandatory requirement for the learner who wants to take admission into the M.A. / M.Sc. Programme in Mathematics.
- (ix) A Master Degree holder under Distance Education may be allowed to appear at the Master Degree Examination again in a different programme or group if otherwise eligible. But two simultaneous degree of any kind in any mode of education in the same institution or /and in different institution shall not be allowed.
- (x) Medium of Instruction (course materials & counselling) and Examination for the courses shall be English except for M.A. in language subjects.
- (xi) Study materials with Guidelines will be supplied to a student within a month from the last date of admission.

Admission notices/advertisements for various programmes of the Directorate of Open and Distance Learning, Dibrugarh University, are published in leading newspapers, both English and Assamese, at least forty-five days prior to the date of admission. Other than the DODL website [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in), it is also notified in the Dibrugarh University website, [www.dibru.ac.in](http://www.dibru.ac.in). Candidates are to apply in the prescribed Application form only. Apart from the online admission process, the admission form along with the Prospectus for offline mode can be downloaded from the website [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in).

**b) Medium and Method of Instruction: -**

- English shall be the medium of instruction both in the classroom as well as in the University Examination.
- Weekend Counselling sessions shall be organized for the learners at the study centres.

**c) Admission Fees:**

Rs 2500 (Course Fee / Semester) + 900 (Counselling Fee / Semester) + 400 (Enrolment Fee for the entire period of study to be paid only at the time of first entry level) + 300 (Gymkhana Fee for the entire period of study to be paid only at the time of first entry level)\*

\* The Gymkhana Fee of Rs. 300/- is meant only for the learners of Dibrugarh University DODL Study Centre and the same goes to the University General Fund use explicitly for Student Activities.



**d) Schedule of Programme:**

A Post-Graduate programme under Distance Education shall be conducted in four parts – (Semester I, Semester II, Semester III and Semester IV). The schedule for the Distance Education System shall be as shown below:

- (i) Odd Semesters (i.e., First and Third) : July to December (including End Semester Examinations)
- (ii) Even Semesters (i.e., Second and Fourth): January to July (including End Semester Examinations)

The total marks in a Post-Graduate Programme in Distance Education shall be as follows:

- (a) All the M.A. /M.Sc. / M.Com. Programmes of DODL, D.U. are of 2-years duration and the total credit ranges from 64-72.
- (b) Total marks for the two years M.A. /M.Sc. / M.Com. Programmes of DODL, D.U. shall be 1600 per programme.
- (c) 20% of the marks in each course shall be assessed through assignments
- (d) Rest 80% of the marks in each course (paper) shall be assessed through University End Semester Examination.

The syllabus for each course (paper) shall be divided into block and units keeping in view the Credit value of the course. The norms for delivery of courses through distance mode are as under:

Credit Value of the course	Study input (hours)	Size of SLMs (unit)	No.of Counselling Sessions Theory (10% of total Study hours)	*Practical Session (hours)
2 credits	60	6 – 8	6	60
3 credits	90	10-12	9	90
4 credits	120	14 – 16	12	120
6 credits	180	20 – 24	18	180

\* Some Programmes have practical component also. Practicals are held at designated institutions/ study centres for which schedule is provided by the study centre. Attendance at practical is compulsory.

**e) Assignment:**

- (i) Assignment shall be a compulsory component of the evaluation process.
- (ii) 20% of each course (paper) shall be assessed through Assignments (Inter Assessment – In Semester Examination). Rest 80% of the marks in each course (paper) shall be assessed through University End Semester Examination
- (iii) The assignments to be submitted by a student would depend upon the Credit value of the Course, as follows:

Credit value of the course	No. of Assignments
----------------------------	--------------------

2 Credits	1
3 credits	2
4 credits	2
6 credits	2

- (iv) A candidate may submit assignments in the office of the Directorate of Distance Education or at the Study Centres within the stipulated time. Subsequently the study centres shall transmit all the assignments programme-wise and course-wise to the office of the DODL for assessment.
- (v) Marks secured on the assignments by the candidates, who appeared in the examinations but failed, shall be carried over to the next permissible chances.
- (vi) Marks secured on the assignments by the candidates who filled in the examination forms but did not appear in the examination, shall also be carried over the next permissible chances.
- (vii) A candidate who fails to submit the assignments as per clauses shall be awarded zero in the in Semester Examination in the course where assignment(s) is (are) not submitted.
- (viii) The Internal Assessment evaluation system for the Post Graduate Programme under DODL, Dibrugarh University shall also be assessed and evaluated in OMR (Optical Marks Response) Sheet through Multiple Choice Objective Type Questions and Answers by conducting mid-term examinations.

#### **f) Examination and Evaluation**

- (i) Examination and Evaluation shall be done on a continuous basis
- (ii) There shall be 20% marks for internal assessment (In Semester) and 80% marks for End Semester Examination in each course during every Semester.
- (iii) There shall be no provision for re-evaluation of the answer – scripts of the End Semester Examinations. However, a candidate may apply for re-scrutiny.
- (iv) Internal assessment is assignment based or OMR based.
- (v) End Semester Examination:
  - (a) There shall be one End Semester Examination carrying 80% marks in each course of a Semester covering the entire syllabus prescribed for the course. The End Semester Examination is normally a written / laboratory-based examination.
  - (b) The Controller of Examinations shall then make necessary arrangements for notifying the dates of the End Semester Examinations and other procedures as per Dibrugarh University Rules (at least 20 days in advance) and the Academic Calendar / Date Sheet notified by the University / DODL, Dibrugarh University.
  - (c) The End Semester Examination for each course shall be of three hours duration.
  - (d) Setting of question papers, moderation of question papers, evaluation of answer scripts, scrutiny, tabulation of marks etc. and announcement of

result of results, shall be governed by the Dibrugarh University Examination Ordinance 1972 (as emended up to date).

- (vi) Betterment Examination:
  - (a) A learner shall be entitled to take the “Betterment Examination” in any two theory courses of any of the four semesters after passing the Fourth Semester Examination only once. In this case the higher marks secured by the student shall be retained. The learner shall have to apply for betterment examination within one year after passing the Fourth Semester Examination.
  - (b) No betterment shall be allowed in the practical examination.
- (vii) A learner shall be declared as passed a course, provided he / she secures –
  - (a) at least 45% marks in each course (paper) in the End Semester Examination.
  - (b) at least 45% marks in the course (paper) in aggregate in the In- and End-Semester Examination.
- (viii) A learner shall be declared as passed a Semester, provided he / she passes all the courses of a Semester independently.
- (ix) The marks of In – Semester Examinations (i.e., Internal Assessment) obtained by the learner shall be carried over for declaring any result.
- (x) A learner who fails or does not appear in one or more courses of any End Semester Examinations up to Fourth Semester shall be provisionally promoted to the next higher Semester with the failed course(s) as carry over course(s). Such learners will be eligible to appear in the carry over course in the next regular examinations of those courses. However, the following restrictions shall be applicable:
 

**“A learner shall be entitled to avail the chance for a maximum of 5 consecutive years from the date of admission to clear a course or courses as well as the whole programme”.**
- (xi) If a learner clears the Fourth Semester Examination before clearing all the courses of the previous semesters, the result of such candidate shall be kept withheld and his / her results shall be announced only after he / she clears the courses of the previous semesters.
- (xii) A learner must pass all his / her Semester Examinations within 5 years from the date of admission to the First Semester of any programme.
- (xiii) A learner shall be declared to have passed the Fourth Semester M.A. / M. Sc. / M. Com. Degree Programme provided he / she has passed all the Semesters and in all the course separately.
- (xiv) The system of evaluation in DODL, D.U. is different from that of the Conventional Department of the University. It has a multi-tire system of evaluation:
  - (a) Self-assessment exercise within each unit of study.
  - (b) Continuous evaluation mainly through assignments and/or Internal Assessment Examination through Multiple Choice Questions (MCQ) using OMR sheet.
  - (c) Term-end examination.
  - (d) Project work (Programme specific)
- (xv) The marks secured by a student in the Assignment / IA – In Semester Examination (20% of each course) is added with the marks secured in that course in End Semester examination which is 80% of the course.
- (xvi) The following scale of grading system shall be applied to indicate the performance of students in terms of letter grade and grade points as given below:

% of marks obtained in a course (Assignment + Term End)	Letter Grade	Grade Point	Qualitative Level
Above 95	O	10	Outstanding
85 – < 95	A <sup>+</sup>	9	Excellent
75 – < 85	A	8	Very Good
65 – < 75	B <sup>+</sup>	7	Good
55 – < 65	B	6	Above Average
50 – < 55	C	5	Average
45 – < 50	P	4	Pass
Below 45	F	0	Fail
0	Abs/I	0	Absent / Incomplete

- (xvii) The letter Grade 'B<sup>+</sup>' and above shall be considered First Class; the Letter Grade (s) 'B' to 'P' shall be considered as Second Class. However, letter Grade 'B' shall be considered as Second Class with minimum of 55% marks.
- (xviii) A learner is considered to have completed a course successfully and earned Letter Grade other than 'F' (Failed) or Abs / I (Absent / Incomplete).
- (xix) If a learner secures 'F' Grade in a Course, he / she shall have to reappear in the Course in the next legitimate chance.
- (xx) Result of the learners appeared in the 'Betterment' examination shall not be counted for the award of Prizes / Medals / Rank or Distinction.
- (xxi) A learner shall have to pay a prescribed fee to appear in the 'Betterment' Examination fixed by the University from time to time.

#### g) Conversion of Marks to Grades and Calculation of GPA (Grade Point Average)

In the Credit and Grade Point System, the assessment of individual courses in the concerned examinations will be on the basis of marks only, but the marks shall later be converted into Grade by some mechanism wherein the overall performance of the learners can be reflected after considering the Credit Points for any given course. However, the overall evaluation shall be designated in terms of Grade. There are some abbreviations used here that need understanding of each and every parameter involved in grade computation and the evaluation mechanism. The abbreviation and formulae used are as under:

##### Abbreviations and Formula's Used:

G : Grade

GP : Grade Points

C ; Credits

CP : Credit Points

CG : Credit X Grade (Product of Credit & Grades)

$\Sigma$  CG : Sum of Product of Credits & Grade Points

$\Sigma$  C : Sum of Credit Points.

$$\text{GPA} = \frac{\Sigma \text{CG}}{\Sigma \text{C}}$$

GPA : Grade Point Average shall be calculated for each Previous and Final Year Examination.

CGPA : Cumulative Grade Point Average shall be calculated for the entire programme by considering both Previous & Final Year taken together. It shall be calculate by the formula given below:

$$CGPA = ( \sum C_{ni} G_{ni} ) / ( \sum C_{ni} )$$

Here,

$C_i$  = number of credit for the  $i^{th}$  course,

$G_i$  = grade point obtained in the  $i^{th}$  course,

$C_{ni}$  = number of credit if the  $i^{th}$  course  $n^{th}$  the year,

$G_{ni}$  = grade point of the  $i^{th}$  course of the  $n^{th}$  year

After calculating the GPA for an individual year and the CGPA for the entire Programme, the value can be matched with the grade in the Grade Point table in (xvi) above

\* GPA and CGPA shall be rounded off to 2 decimal points and reported to the Grade Card (Sheet) and Transcript.

#### **h )Conversion Formula:**

Ordinarily the CGPA earned by a student may be converted to percentage of marks by following the formula mentioned as under:

$$CGPA \times 10 = \text{Percentage of Marks}$$

#### **i) Grade Card / Sheet (Reporting of Learners Performance):**

The Grade Card / Sheet issued at the end of end term examination to each learner shall contain the following:

- a. The marks obtained by a learner in each course,
- b. The credit earned for each course registered for that year,
- c. The performance in each course indicated by the letter grade,
- d. The Grade Point Average (GPA),
- e. The cumulative Grade Point Average (CGPA) and
- f. Conversion formula.

#### **j)Transcript:**

The University may issue consolidated Transcript on request to the Controller of Examinations which shall contain letter grades, grade points, GPA and CGPA mentioning the Course Title in detail, medium of instruction and programme duration.

#### **k) Rules for admission of Unsuccessful and Absentee Candidates**

Unsuccessful learners fail to complete programme within the stipulated time may take re admission in the programme by paying fees fixed by the University from time to time.

**General:**

For any matter not covered under these Regulations for the Directorate of Open and Distance Learning, the existing Dibrugarh University Rules, Ordinances and the Dibrugarh University Act, 1965 (as amended), The Dibrugarh University Examination Ordinance, 1972 (as amended up to date) and the Dibrugarh University Distance Education Ordinance, 2006 (amended up to date) shall be applicable.

**l) Requirement of the laboratory support and Library Resources:**

An Educational and Psychological Practical Laboratory is established in the HQs of DODL, DU to provide the laboratory support to the learners of MA programme in Education. DODL, DU has a Library for its learners with sufficient books to help them through their studies. It has provision for distance learners to read as well as borrow books. Moreover, there is a provision for the learners to access the Dibrugarh University central library, Lakshminath Bezboroa Granthagar, with a present holding of approximately 175815 books and rare publications, apart from 18718 back volumes of journals, 3030 theses and dissertations.

**m) Cost estimate of the Programme and the provision:**

Keeping an eye on the number of applicants applying for the conventional Master Degree in English at Dibrugarh University and the yearly output of Degree learners with major in English from various affiliated Colleges under Dibrugarh University, it can be estimated that around six-seven hundred learners may seek admission to this Programme. If the cost estimate is calculated on 100 learners, the approximate cost is as follows:

Approximate earning (per 100 learners per annum)	= Rs. 720000/-
Development ( <i>SLM writing, editing, review, printing cost, recording, radio slots, remuneration, etc.</i> ):	= Rs. 450000/- (approx.)
Delivery ( <i>Postage, courier, door delivery, etc.</i> ):	= Rs. 20000/- (approx.)
Maintenance ( <i>Syllabus revision, SLM revision, Committee expenses, etc.</i> ):	= Rs. 10000/- (approx.)
Staff Payment and other Expenses	= Rs. 200000/- (approx.)
Total expenditure (approx.)	= Rs. 680000/-
Hence, total earning per 100 learners	= Rs. (720000.00 - 680000.00) = Rs. 40000.00

**QUALITY ASSURANCE MECHANISM AND EXPECTED PROGRAMME OUTCOMES:**

Need assessment and tracer studies will be conducted for quality assurance in terms of the Centre for Internal Quality Assurance. Moreover, revision and updating of material by obtaining feedback from students and resource persons will be done. A high-powered committee constituted with the Deans, HoDs, Subject Experts from the University Departments and the Directorate will also monitor the syllabus upgradation, curriculum design, and other pedagogical and academic aspects of all programmes of the Directorate of Open and Distance Learning, Dibrugarh University. Moreover, the Centre for Internal Quality Assurance Cell (CIQA) is established to evaluate and review the course development mechanisms and to monitor the effectiveness of the programme.

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## **PROGRAMME PROJECT REPORT**

**PROGRAMME – MASTER OF ARTS (M. A.) IN ENGLISH: SEMESTER MODE**

**PREPARED BY CIQA, DODL, DIBRUGARH UNIVERSITY FOR THE ACADEMIC  
SESSION 2020-21 ONWARDS**

### **PRESENTED BEFORE**

- The Second Meeting of CIQA Committee on 29.11.2019 for onward process

*Forwarded under report to the forthcoming meeting of BoM and BoS to  
recommend to the statutory bodies*

### **PLACED BEFORE**

- The 150<sup>th</sup> Meeting of the Post Graduate Board on 05.12.2019

### **RECOMMENDED BY THE**

- The 150<sup>th</sup> Meeting of the Post Graduate Board to the 118<sup>th</sup> Meeting of Academic Council for Approval

**APPROVED BY THE HON'BLE VICE CHANCELLOR UNDER REPORT TO THE  
ACADEMIC COUNCIL**



**PROGRAMME PROJECT REPORT**  
**PROGRAMME – MASTER OF ARTS (M.A.) IN ENGLISH: SEMESTER**  
**MODE**  
**PREPARED BY CIQA, DODL, DIBRUGARH UNIVERSITY FOR THE ACADEMIC**  
**SESSION 2020-21 ONWARDS**

**a) Programme's Mission & Objectives:**

English literature forms an essential part of University syllabi across countries. In Dibrugarh University, every year, a large number of aspiring learners apply for this Programme in the Department of English (conventional mode); but many of them are deprived of the opportunity because of the limited number of seats. As such, the Directorate of Open and Distance Learning, Dibrugarh University, would like to open the door to such aspiring learners. This M.A. in English Programme would introduce the learners to different aspects of English literature, its relevance in the present literary and socio-political scenario.

The Objectives of the Programme are:

- ❖ To acquaint learners with the ideas and events which helped to give shape to wider English aspirations as revealed in its literature from its earliest known beginnings to its latest manifestations.
- ❖ To guide the learners through the continuous tradition of poetry, drama, fiction and non-fiction in English literature through ages. It would also introduce the learners to selected writings on contemporary Indian writing in English and various European literatures (like Norwegian, Russian, etc.), through standard English translations.
- ❖ To inform the learners about the complex interplay of literary and non-literary texts with the varied trends of Literary Criticism and Critical Theory from its beginnings to the present.
- ❖ To develop the learners' confidence in their critical and analytical abilities.

**b) Relevance of the Program with HEI's Mission and Goals:**

This Programme fulfills the HEI's mission and goal of motivating and creating a human resource that would work towards sustainable and holistic social development. This Programme, would equip a learner to understand and explore the richness of English literature and would motivate them towards newer research.

**c) Nature of prospective target group of learners:**

This Programme will have many beneficiaries, especially among in-service people and young students. There are a large number of fresh graduates who aspire for a Post-graduate degree in English literature but are left out in the conventional mode institutes due to limited number of seats. This Programme with a moderate fee structure would also help those aspiring learners who are deprived due of financial constraints. Apart from that, there are many people from science or commerce background who have an attraction to English literature and would like to pursue a master's degree in distance mode, as it is not available to them in the conventional mode of education.

**d) Appropriateness of the Programme to be conducted in Open and Distance Learning mode to acquire specific skills and competence:**

This Programme is appropriate to be offered through open and distance mode as it does not require laboratory work or extensive field work. The Directorate has developed well-written Self-Learning Materials (which would be the primary tool) for the entire programme that would guide a learner's journey in the distance mode of education. The learners will also be provided with appropriate pre-admission counselling, tutorial and weekend counselling from time to time.

The expected learning outcomes of this Programme are:

- To enable learners garner some all-inclusive skills that can be useful in different career prospects rather than a specific job.
- To inculcate in him/her an understanding of the intricate and complex human relationships as they study characters in English literature.
- To empower him/her with a positive vision for the society at large, as literature serves as a 'window to the world', as a reflection of the society.
- To instill in the learners an ability to take new initiatives and be creative in their chosen field.
- To make them suitable for a number of job sectors, like, teaching, publishing house, advertising, media and journalism, etc.

**e) Instructional Design:**

**Duration of the Programme:**

The M.A. in English Programme is a 64 credits Programme, spread over two years of 32 credits each in the First Year of Two Semesters (i.e., Semester I and Semester II) and in the Second Year of Two Semesters (i.e., Semester III and Semester IV). Each credit amounts to 30 hours of study comprising all learning activities. Thus, a four credit course involves 120 study hours and an eight credit course involves 240 study hours.

To successfully complete this Programme, a learner will have to earn 64 credits over a period of 2 to 5 years. However, one is not allowed to earn more than 32 credits in a year.

The detailed semester-wise distribution of Courses for the M.A. in English Programme is as follows:

*(All the Courses are compulsory.)*

**DODL MA ENGLISH PROGRAMME**

**1st Semester**

Course Code	Course Title	No. of Assignments	Tutorial Hours	Counselling Hours	Study Input(in Hours)	Size of SLM (in no. of units)	Credits
ENG-101	Literature and Social History I	2	90	09	90	12 units	3
ENG-102	Poetry: Chaucer to the Romantics	2	180	18	180	24 units	6
ENG-103	Drama I	2	90	09	90	12 units	3
ENG-104	Non-Fictional Prose	2	120	12	120	16 units	4

**2<sup>nd</sup> Semester**

Course Code	Course Title	No of Assignments	Tutorial Hours	Counselling Hours	Study Input (in Hours)	Size of SLM (in no. of units)	Credits
ENG-105	Literature and Social History II	2	90	09	90	12 units	3
ENG-106	Drama II	2	90	09	90	12 units	3
ENG-107	Fiction: 18 <sup>th</sup> century to Victorian	2	120	12	120	16 units	4
ENG-108	European literature in Translation	2	180	18	180	24 units	6

**3<sup>rd</sup> Semester**

Course Code	Course Title	No. of Assignments	Tutorial Hours	Counselling Hours	Study input (in Hours)	Size of SLM (in no. of units)	Credits
ENG-201	Victorian Poetry	2	90	09	90	12 units	3
ENG-202	Fiction: Modern	2	180	18	180	24 units	6
ENG-203	Contemporary Indian Writing in English I	2	90	09	90	12 units	3
ENG-204	Literary Criticism	2	120	12	120	16 units	4

**4<sup>th</sup> Semester**

Course Code	Course Title	No. of Assignments	Tutorial Hours	Counselling Hours	Study input (in Hours)	Size of SLM (in no. of Units)	Credits
ENG-205	Modern Poetry	2	90	09	90	12 units	3
ENG-206	Contemporary Indian Writing in English II	2	90	09	90	12 units	3
ENG-207	Critical Theory	2	120	12	120	16 units	4
ENG-208	American Literature	2	180	18	180	24 units	6

## **DETAILED SYLLABI**

### **SEMESTER-I**

#### **COURSE ENG-101: LITERATURE AND SOCIAL HISTORY I (3 CREDITS)**

This Course introduces students to English social and cultural history in relation to production of texts prescribed for study in this course. Learners will be expected to acquaint themselves with the ideas and/or events which helped to give shape to wider English aspiration as revealed in its literature from its earliest known beginnings to its latest manifestations. The topics named below enable the learner to follow the path of socio-cultural changes in England down the ages via well-known landmarks. It is expected that the learner will thus be sensitized to the complex interplay of the literary and the non-literary factors which go into the final making of literature. The last section is significantly geared towards raising a critical understanding of major social and cultural trends in our time.

The topics are divided into 3 blocks intended to make the learner's course of study manageable and systematic.

Block	Block Title	No. of Units	Contents
BLOCK-I	Medieval period	3 units	Feudalism, Role of the Church, Towns and Urbanization
BLOCK-II	Renaissance Period	3 units	Humanism and the English Renaissance, The Print Revolution, The beginnings of Colonialism
BLOCK-III	The Enlightenment	6 units	What is Enlightenment?, Introduction to The Ideas of the Enlightenment, Religion and Morality in the Enlightenment, Science, Epistemology, and Metaphysics in the Enlightenment, Beginnings of Modern Democracy

#### **COURSE ENG-102: POETRY: CHAUCER TO THE ROMANTICS (6 CREDITS)**

This Course is designed to guide the learner through the continuous tradition of poetry in English with the help of poems mainly representative of both the literary phase as well as the poetic form or type of composition available to the poets. Learners will be expected to supplement their study with a wider knowledge of the nature and history of these poetic forms in their different manifestations. It is expected that the learner will thus gain a sensitive appreciation of English poetry.

The topics are spread over 4 blocks corresponding to the chronological divisions of English poetry starting with Geoffrey Chaucer and leading up to the Romantic poets.

Block	Block Title	No. of Units	Contents
BLOCK I	Medieval and Renaissance Poetry	4 units	An Introduction to Medieval and Renaissance Poetry, Chaucer - "Prologue" to The Canterbury Tales, Shakespeare - Sonnets nos. 19, 73, 107, 144
BLOCK II	Metaphysical Poetry and Milton	9 units	Metaphysical Poetry and Characteristics; John Donne – an introduction; Donne's poems - "The Good Morrow", "The Sunne"

			Rising" "The Canonisation", "At the round earth's imagined corners", "Death be not proud"; John Milton and <i>Paradise Lost</i> - an introduction; Milton's Age, his life and career; Reading <i>Paradise Lost</i> , BKs I & II; <i>Paradise Lost</i> , BKs I & II – Critical Appreciation I; <i>Paradise Lost</i> , BKs I & II – Critical Appreciation II
BLOCK III	Neo-Classical Poets	4 units	Neo-Classical Poetry and Definition, Neo-Classical Poets – an introduction; John Dryden – Macflecknoe; Alexander Pope - Dunciad, BK IV
BLOCK IV	Romantic Poetry	7 units	Romantic Poetry – an introduction; Poets of the Romantic Period, Blake - "Holy Thursday" ("Songs of Innocence") "London", "The Tyger". Wordsworth - "Ode on Intimations of Immortality", "Composed upon Westminster Bridge". Lord Byron - Don Juan, BK XI. Shelley - "Ode to the West Wind". Keats - "Ode to a Nightingale"

### **COURSE ENG-103: DRAMA I (3 CREDITS)**

This Course is designed for the learners to gain knowledge of the rich tradition of English drama as it has evolved through the early English Renaissance to its latest achievements. It is expected that learners will explore the conventions of English drama through the representative texts prescribed for their study in this paper. The plays to be studied are spread over 2 blocks

Block	Block Title	No. of Units	Contents
BLOCK I	Renaissance Drama	6 units	Renaissance Drama, Characteristics of Renaissance Drama, Famous Practitioners of Renaissance Drama Christopher Marlowe - Life and Works; <i>The Jew of Malta</i> - Critical Appreciation; Ben Jonson - Life and Works; <i>Volpone</i> - Critical Appreciation
BLOCK II	Shakespeare	6 units	William Shakespeare-Life and Works; Shakespeare's <i>Hamlet</i> ; Thematic Discussions on <i>Hamlet</i> Shakespeare's <i>The Tempest</i> , Shakespeare's <i>Henry V</i> , <i>Henry V</i> as a Historical Play Shakespeare's <i>Much Ado About Nothing</i> : Introduction to <i>Much Ado About Nothing</i>

### **COURSE ENG-104: NON-FICTIONAL PROSE (4 CREDITS)**

This Course is designed to familiarize the learner with the formal variety of non-fictional prose in English. To this end, different genres of non-fictional prose from different periods are prescribed for the learner's study. For an adequate reading, the Course makes it incumbent on the learner to be aware of the various social, political and cultural contexts in which the prescribed pieces were written. The topics of this paper are divided into 3 blocks.

Block	Block Title	No. of Units	Contents
BLOCK I	Non-fictional Prose I	8 units	Non-fictional Prose: a general introduction; Joseph Addison and Richard Steele's <i>The Spectator Papers</i> ; Appreciation of "The Spectator's Account of Himself"; "Of the Spectators" "The Uses of the Spectator"; Samuel Johnson: An Introduction; Appreciation of "Life of Milton"; "Life of Cowley"
BLOCK II	Non-fictional Prose II	4 units	Charles Lamb: "My Relations"; John Keats: (Letters) (a) - To Benjamin Bailey, 22nd Nov., 1817 (b)- To John Hamilton Reynolds, 3rd May 1818; Matthew Arnold: Preface to Poems (1853)
BLOCK III	Non-fictional Prose III	4 units	Bertrand Russell: Autobiography - Chapter 1 & 2; Virginia Woolf: "How it Strikes a Contemporary"; Rabindranath Tagore: "Nationalism in the West".

## **SEMESTER-II**

### **COURSE ENG-105: LITERATURE AND SOCIAL HISTORY II (3 CREDITS)**

This course is a continuation of Previous Semester Course Code-101. This paper introduces the learners to underscore the trajectory of literary and social history from the Period of Romanticism to both Modern and Postmodern era. A thorough reading of the contents listed below will enhance the learners' Knowledge about the literary production of the respective periods of history and English Literature. The topics related to this paper are divided into 2 Blocks

Block	Block Title	No. of Units	Contents
BLOCK I	Romanticism	5 units	Introduction to Romanticism, Capitalism to Imperialism, Darwinism, Darwin and Theory of Evolution, The Working Classes, the Context of Industrial revolution
BLOCK-II	The Modern to the Postmodern	7 units	The modernist movement in the Arts, the Crisis of Empire, The Rise of English, The Postcolonial Perspective, Feminist movements, Popular Culture, Globalization

### **COURSE ENG-106: DRAMA II (3 CREDITS)**

This paper is designed to acquaint the readers to a wider panel of plays belonging to the period from Restoration to Modern drama. The Contents given below not only empower the learners to understand the thematic concerns of the prescribed texts but also provide a larger perspective to situate texts within the time-period in which the plays are produced. This paper is devised to follow 2 Blocks

Block	Block Title	No. of Units	Contents
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BLOCK I	Restoration Drama	5 units	Restoration Period, Literary Characteristics of Restoration Period, An Introduction to Sheridan and drama in the 18 <sup>th</sup> century; <i>The Rivals</i> : Introduction and Major themes; <i>The Rivals</i> : Act-wise summary and major characters
BLOCK II	Modern Drama	7 units	Introduction to Modern drama; G.B. Shaw's <i>Pygmalion</i> – An Introduction; Important textual issues and themes of the play <i>Pygmalion</i> Samuel Beckett's <i>Waiting for Godot</i> and Historical Background of the play; Themes and Symbols/ Critical Analysis of <i>Waiting for Godot</i> Harold Pinter's <i>The Birthday Party</i> and Historical Background of the play; Themes and Symbols/ Critical Analysis of <i>The Birthday Party</i>

### **COURSE ENG-107: FICTION: 18<sup>TH</sup> CENTURY TO VICTORIAN (4 CREDITS)**

This Course expects the learner to gain knowledge of fiction through a selection of fictional works from the 18th and 19th centuries. It is to be noted that study of fictional narratives has seen many advances at the level of theory of fiction. As such, the long questions from this course will require the learner's awareness of such developments (eg. Concepts such as story/ discourse, plot, point of view, narrator, narrate, narrative worlds, narrative as a form of knowledge, narrative frequency, repetition, narrative constructions, the subject) while the shorter questions will be answered as explanations of concepts and issues. The Course has been structured as 5 Blocks.

Block	Block Title	No. of Units	Contents
BLOCK I	DEFOE: <i>MOLL FLANDERS</i>	4	The Novel in its Context; As We First Read: <i>Moll Flanders</i> ; A Detailed Study of <i>Moll Flanders</i>
BLOCK II	AUSTEN: <i>PERSUASION</i>	3	Jane Austen: Her Life and Works and the Romantic Period; Plot Summary and Character Analysis; Critical Analysis of the Novel
BLOCK III	DICKENS: <i>HARD TIMES</i>	3	Dickens: His Life and Works; <i>Hard Times</i> : Critical Appreciation I; <i>Hard Times</i> : Critical Appreciation II
BLOCK IV	EMILY BRONTE: <i>WUTHERING HEIGHTS</i>	3	Background of <i>Wuthering Heights</i> ; <i>Wuthering Heights</i> : Story line and Character Analysis; Themes and Techniques in <i>Wuthering Heights</i>



BLOCK V	HARDY: <i>THE MAYOR OF CASTERBRIDGE</i>	3	Hardy: His Life and Works; <i>The Mayor of Casterbridge</i> : Critical Appreciation I; <i>The Mayor of Casterbridge</i> : Critical Appreciation II
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### **COURSE ENG-108 EUROPEAN LITERATURE IN TRANSLATION (6 CREDITS)**

A knowledge of European Literature through standard English translations is intended to be brought to the learner in this Course. The texts prescribed here are those exemplifying some major trends of European literature. The emphasis is on the works of some its best known practitioners so that the learner gains an overview of western literary conventions. The Course has been designed as 2 major blocks, block I divided into 4 parts and block II divided into 5 parts.

Block	Block Title	No. of Units	Contents
BLOCK I	DRAMA	12	Chekhov : <i>The Sea-gull</i> ; Ibsen : <i>The Wild Duck</i> ; Pirandello : <i>Six Characters in Search of An Author</i> ; Brecht : <i>Mother Courage</i>
BLOCK II	FICTION	12	Dostoevsky: <i>Crime and Punishment</i> ; Franz Kafka : <i>The Trial</i> Tolstoy : <i>Death of Ivan Illyich</i> Gogol : <i>The Overcoat</i> ; Camus : <i>The Outsider</i>

## **SEMESTER III**

### **COURSE ENG-201 VICTORIAN POETRY (3 CREDITS)**

This course introduces learners the poetry from the nineteenth century which falls under the category of Victorian age. The course content of this paper will enhance readers' perception towards Victorian faiths and ideals imbibed by the poets of this era which seen to be reflected in their poetry. The Victorian poets beginning from Tennyson to Hopkins prescribed in the following syllabus are considered to be best representative of this age. The paper is divided into 5 Blocks (as per the five Victorian poets listed below):

Block	Block Title	No. of Units	Contents
BLOCK I	Tennyson	3 units	Victorian Poetry: An Introduction; Tennyson : <i>In Memoriam</i> (Sections 7, 35, 50, 96);
BLOCK II	Browning	2 units	'Fra Lippo Lippi', 'A Grammarian's Funeral'
BLOCK III	Matthew Arnold	2 units	'Dover Beach', 'Yea, in the sea of life enisled'
BLOCK IV	Dante Gabriel Rossetti	2 unit	Introduction to Pre-Raphaelite Poets, 'The Blessed Damozel'
BLOCK V	Hopkins	3 units	'The Windhover', 'Pied Beauty', 'God's Grandeur'

### **COURSE ENG-202: FICTION: MODERN (6 CREDITS)**

This Course continues with the work begun in course - 105 above and extend the scope of study to cover a later period of English fiction. It contains selected novels by five well-known writers Conrad, Woolf, Lawrence, Forster and Rushdie. These modern novels call for critical analysis from various theoretical perspective, like postcolonialism, modernism, psychoanalysis, etc. It is expected that the learners, after completing this Course, are in a position to use their analytical skills to critical appreciate these texts and other similar works. The Course has been structured as 5 blocks.

Block	Block Title	No. of Units	Contents
BLOCK I	Conrad: <i>Heart of Darkness</i>	5 units	Modern Fiction, Joseph Conrad, <i>Heart of Darkness</i> : A Critical Interpretation, Thematic Discussions
BLOCK II	Woolf: <i>Mrs. Dalloway</i>	5 units	Virginia Woolf as a Modern writer, Virginia Woolf's Life and Works, Virginia Woolf's <i>Mrs. Dalloway</i> : Critical Aspects of the novel
BLOCK III	Lawrence: <i>Sons and Lovers</i>	4 units	D. H. Lawrence as a Novelist, Introduction to D.H. Lawrence's Philosophy, Major Themes and Characters in <i>Sons and Lovers</i>
BLOCK IV	Forster: <i>A Passage to India</i>	5 units	Historical Background of <i>A Passage to India</i> , The Structure of the Novel, Themes of the Novel, Use of Symbolism, Characterisation
BLOCK V	Rushdie: <i>Midnight's Children</i>	5 units	Salman Rushdie: His Life and Literary Works; Characterization in <i>Midnight's Children</i> ; Discussion of the major themes and issues of <i>Midnight's Children</i>

**COURSE ENG-203 CONTEMPORARY INDIAN WRITING IN ENGLISH I (3 CREDITS)**

This Course on Contemporary Indian Writing in English seeks to bring the learner to familiarity with this category of literary texts. There are 2 Blocks in this paper which will allow the learner to identify with the History of Indian Writing in English alongside the famous Indian Poets and Poetry of Indian English literature.

Block	Block Title	No. of Units	Contents
BLOCK I	History of Indian English Literature	3 units	K.R. Srinivasa Iyengar: Indian Writing in English M.K. Naik: History of Indian English Gauri Viswanathan: <i>Masks of Conquest</i>
BLOCK II	Indian Poetry	9 units	Jayanta Mahapatra - "The Abandoned British Cemetery at Balasore"; Keki Daruwalla - "Hawk", "Wolf"; Kamala Das - "My Grandmother's House", "A Hot Noon in Malabar"; Adil Jussawalla - "Missing Person", Part II; Vikram Seth - "The Humble Administrator's Garden" from <i>The Golden Gate</i>

**COURSE ENG-204 LITERARY CRITICISM (4 CREDITS)**

This Course is designed to introduce the learners to the key figures of Literary Criticism. Representative texts of these writers will acquaint the learners to the different developments in this field.

This Course is presented as 2 blocks.

Block	Block Title	No. of Units	Contents
BLOCK I	CRITICISM BEFORE THE 20 <sup>TH</sup> CENTURY	8 units	Overview of early Criticism; Aristotle, <i>Poetics</i> (Theory of Mimesis, Tragedy); Sidney, <i>An Apology for Poetry</i> (Morality in Literature); Johnson, <i>Preface to Shakespeare</i> (The work setting its own agenda, morality, etc.); Coleridge, <i>Biographia Literaria</i> (Chap XIII-XIV) (Imagination); Arnold, "Study of Poetry" (Touchstone method)
BLOCK II	CRITICISM IN THE 20 <sup>TH</sup> CENTURY	8 units	Overview of Twentieth Century Criticism; Eliot, "Tradition and the Individual Talent" (Tradition, Historical consciousness); Cleanth Brooks, "The Language of Paradox"; Abrams, "Orientation of Critical Theories"; Mythological and Archetypal Criticism; Chase, "Study of Myth"

**SEMESTER IV****COURSE ENG-205 MODERN POETRY (3 CREDITS)**

This Course on Modern Poetry is a complete break from the Victorian Poetry. This paper will acquaint the learners not only about the famous representative poets but also help them understand the different movements and trends that unfolded during the Modern period. The paper is divided into 2 blocks

Block	Block Title	No. of units	Contents
BLOCK I	Modern Poetry (From 1865-1900)	6 units	Introduction to Modern Poetry, Characteristics of Modern Poetry Yeats's 'Sailing to Byzantium', Eliot's 'The Wasteland', William Carlos Williams's 'Spring and All', Wallace Stevens's 'Emperor of Ice-Cream'.
BLOCK II	Modern Poetry (From 1900 Onwards)	6 units	Auden's 'In Memory of W.B. Yeats', Dylan Thomas's 'Poem in October', Larkin's 'Church Going', Ted Hughes's 'Thrushes', 'Pike', Seamus Heaney's 'After a Killing'

**COURSE ENG-206 CONTEMPORARY INDIAN WRITING IN ENGLISH II (3 CREDITS)**

This paper continues with the line of previous paper on Indian Writing in English. This course seeks to cover works and issues of Fictions and Non-Fictions that are considered to be prominent. The paper is divided into 2 Blocks.

Block	Block Title	No. of Units	Contents
BLOCK I	Fiction	6 units	Anita Desai as a Novelist, Anita Desai's <i>Fasting Feasting</i> - A Critical Appreciation; Amitav Ghosh as a Novelist, Amitav Ghosh's <i>The Shadow Lines</i> -A Critical Appreciation; Raja Rao as a Novelist, Raja Rao's <i>Kanthapura</i> -A Critical Appreciation
BLOCK II	Non-Fiction	6 units	Nehru : <i>An Autobiography</i> (Chap. 1,3,4,19,51,53); Nirad C. Chaudhuri : <i>A Passage to England</i> (Part I, Ch. 7 ; Part II, Ch. 2; Part III, Ch. 1 & 3)

**COURSE ENG-207 CRITICAL THEORY (4 CREDITS)**

This Course seeks to cover new critical formations starting from Structuralism to New Historicism. The paper is presented as 2 blocks.

Block	Block title	No. of units	Contents
BLOCK I	Critical Theory Part-I	8 units	Introduction to Critical Theories (Structuralism, Post Structuralism, Deconstruction, Psychoanalytic Criticism) Saussure's "Nature of the Linguistic Sign"; Barthes, "From Work to Text"; Derrida, "Structure, Sign and Play in the Discourse of the Human Sciences"; Foucault, "What is an Author?"; Bakhtin, From Rabelais and <i>His World</i> (On Carnival, p. 45-51);

			Lacan, "The Insistence of the letter in the unconscious"
BLOCK II	Critical Theory Part II	8 units	Introduction to Critical theories (Postcolonial Theory, Feminism and Feminist Literary Criticism, Reader-Response Criticism; Marxist Criticism; New Historicism) Said's "Crisis in Orientalism"; Showalter's "Towards a Feminist Poetics"; Toril Moi's <i>Sexual/Textual Politics</i> (Introduction); Stanley Fish's "Is there a text in the class?"; Althusser's "Ideology and the State Apparatus"; Greenblatt's "What is new historicism?"

### COURSE ENG-208 AMERICAN LITERATURE (6 CREDITS)

This paper is designed to familiarise the students with the History of American literature and the prominent list of works and writers that are clubbed within this genre of literature. The paper is designed to follow 4 Blocks.

Block	Block Title	No. of units	Contents
BLOCK I	Fiction	9 units	<i>The Scarlet Letter</i> by Hawthorne; <i>The Sound and the Fury</i> by Faulkner ; <i>Invisible Man</i> by Ralph Ellison
BLOCK II	Drama	4 units	T. Williams' <i>A Streetcar Named Desire</i> Fences August Wilson's <i>Fences</i>
BLOCK III	Poetry	8 units	Whitman - "Song of Myself"(1-10); Frost - "West Running Brook"; "Home Burial" ; "Once by the Pacific" ; "Out, Out"; Pound - "Histrion"; "The River Merchant's Wife"; A Pact"; Wallace Stevens - "A High Toned Christian Woman"; "Peter Quince"
BLOCK IV	Emerson	3 units	Introduction to Emerson. 'The American Scholar'; 'The Poet'

#### Faculty and Support Staff required:

At present, the Directorate has one full-time Assistant Professor for the M.A. and one Associate Professor in English Programme supported by two non-teaching staffs. Apart from that, the Programme is assisted by the faculties from the Department of English, Dibrugarh University and also some from the nearby affiliated colleges.

*Instructional Delivery Mechanisms:*

The Directorate has developed printed Self-Learning Materials (SLMs) for all the Courses of the M.A. in English Programme. These materials have been developed by Course-writers, from the ODL and conventional mode, trained by Resource persons from STRIDE, IGNOU. These SLMs are developed with the self-explanatory, self-contained, self-directed, self-motivating and self-evaluating approach.

These printed SLMs are the primary learning tool for the learners. Apart from the printed SLMs, the directorate also provides certain media support as listed below.

*Identification of media and student support service:*

A Research and Media Support Service wing has been established with a two-fold objective to facilitate in house research in Distance Education as well as to facilitate the distance learners with multi-media facilities.

It provides supplementary support to the Distance Learners by the means of Course specific lectures as Radio Programmes, “GYAN-MALINEE”, on every Thursday at 8pm from All India Radio, Dibrugarh Centre, (M/W- 521.1). It has also its own Community Radio Station (FM 90.8).

The Directorate has also initiated the process of developing Video CDs related to the Course materials; and at present it has a few video CD for this Programme.

There is a provision of sending Bulk SMS to the learners providing information regarding Counselling programmes, Personal Contact programmes, Assignments, Date and Results of Examination, other Administrative and Examination related information and so on.

Further, the learners can update themselves about the events and activities of the Directorate by logging on to its website [www.ddedu.dibru.ac.in](http://www.ddedu.dibru.ac.in). Some of the facilities, apart from the general information are -

- Assignment questions.
- Important dates.
- Result.
- Already broadcasted Radio programmes.

*Personal Contact Programmes / Counselling Programmes:* The Directorate conducts weekend counselling for its learners. The personal contact programmes for these courses are also provided by the Learner Support Centers and the coordinators inform the schedules to the learners enrolled at their respective study centers. Apart from that the Directorate also conducts the following meets for the learners:

- Induction Meet

The DODL organizes one-day Induction Meet for the learners before commencement of counselling Sessions of previous year to give a clear map of the open and distance learning. It is a two-way interactive meet.

- Learners Meet

The DODL organizes learners meet to address their different problems related to the process learning.

- University Week

It is the Cultural and Sports confluence of DODL Learners and formal mode students of the University. It is organized once in a year.

**f) Procedure for admissions, curriculum transaction:**

*Admission procedure:*

- (i) Graduates (10 + 2 + 3 pattern) from any recognized university in the Major or Honours or General courses may apply for admission into a post-graduate course offered in Distance Education, D.U. and get themselves registered as learners of Distance Education, D.U.
- (ii) Provisionally admitted learners shall have to produce the transcript issued by the institution last attended or, the original mark sheet and other testimonials for verification at the Office of the DODL, D.U. as and when call for. On production of transcript/original mark sheet and other testimonials their admission to the DODL, D.U. will be confirmed latest by January.
- (iii) Students admitted shall be issued enrolment no.
- (iv) Notwithstanding any rules and procedures, a student may be refused admission if his/her past conduct in the educational institution last attended has not been satisfactory. A student who has been expelled/ rusticated or disqualified by the university may also be refused admission.
- (v) Admission of a student can be cancelled at any stage if it is found that he/she furnished incorrect information or has suppressed facts to secure admission. If any

dispute arises out of such refusal/ cancellation, the decision of the Vice-chancellor, D.U. shall be final.

- (vi) The fees for the Post-Graduate Programmes in Distance Education shall be fixed by the university from time to time. Such fee shall include Admission Fee, Counseling Fee, Course Material Fee, Postal charges etc., payable in single installment at the time of admission. No cash deposition of fees shall be considered. Fees shall be accepted only in the form of a demand draft. Otherwise online payment mode of fees is highly recommended.
- (vii) The subject taken for M. A. / M. Com. programme may not necessarily be one of the subjects in his/her degree course. The candidate may be allowed to appear in any subject having relevant/ allied subject at the degree level.
- (viii) Mathematics in Degree level is a mandatory requirement for the learner who wants to take admission into the M.A. / M.Sc. Programme in Mathematics.
- (ix) A Master Degree holder under Distance Education may be allowed to appear at the Master Degree Examination again in a different programme or group if otherwise eligible. But two simultaneous degree of any kind in any mode of education in the same institution or /and in different institution shall not be allowed.
- (x) Medium of Instruction (course materials & counseling) and Examination for the courses shall be English except for M.A. in language subjects.
- (xi) Study materials with Guidelines will be supplied to a student within a month from the last date of admission.

Admission notices/advertisements for various programmes of the Directorate of Open and Distance Learning, Dibrugarh University, are published in leading newspapers, both English and Assamese, at least forty-five days prior to the date of admission. Other than the DODL website [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in), it is also notified in the Dibrugarh University website, [www.dibru.ac.in](http://www.dibru.ac.in). Candidates are to apply in the prescribed Application form only. Apart from the online admission process, the admission form along with the Prospectus for offline mode can be downloaded from the website [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in).

#### Curriculum transaction

The Directorate would conduct weekend counselling for its learners. Apart from this, they would be able to solve their queries over phone by calling the concerned subject Coordinator at their respective Study Centre. Moreover, for this programme a few Video CD would be provided and some recorded lectures and discussion would be provided through Radio Broadcasting Programme 'Gyanmalini', to be broadcasted from All India Radio Dibrugarh.



**(g) Admission Fees:**

Rs 2500 (Course Fee / Semester) + 900 (Counseling Fee / Semester) + 400 (Enrolment Fee for the entire period of study to be paid only at the time of first entry level) + 300 (Gymkhana Fee for the entire period of study to be paid only at the time of first entry level)\*

\* The Gymkhana Fee of Rs. 300/- is meant only for the learners of Dibrugarh University DODL Study Centre and the same goes to the University General Fund use explicitly for Student Activities.

**(h) Schedule of Programme:**

A Post-Graduate programme under Distance Education shall be conducted in four parts – (Semester I, Semester II, Semester III and Semester IV). The schedule for the Distance Education System shall be as shown below:

- (i) Odd Semesters (i.e., First and Third) : July to December (including End Semester Examinations)
- (ii) Even Semesters (i.e., Second and Fourth): January to July (including End Semester Examinations)

The total marks in a Post-Graduate Programme in Distance Education shall be as follows:

- (a) All the M.A. /M.Sc. / M.Com. Programmes of DODL, D.U. are of 2-years duration and the total credit ranges from 64-72.
- (b) Total marks for the two years M.A. /M.Sc. / M.Com. Programmes of DODL, D.U. shall be 1600 per programme.
- (c) 20% of the marks in each course shall be assessed through assignments
- (d) Rest 80% of the marks in each course (paper) shall be assessed through University End Semester Examination.

The syllabus for each course (paper) shall be divided into block and units keeping in view the Credit value of the course. The norms for delivery of courses through distance mode are as under:

Credit Value of the course	Study input (hours)	Size of SLMs (unit)	No. of Counselling Sessions Theory (10% of total Study hours)	* Practical Session (hours)
2 credits	60	6 – 8	6	60
3 credits	90	10-12	9	90
4 credits	120	14 – 16	12	120
6 credits	180	20 – 24	18	180

\* Some Programmes have practical component also. Practicals are held at designated institutions/ study centres for which schedule is provided by the study centre. Attendance at practical is compulsory.

**(i) Assignment:**

- (i) Assignment shall be a compulsory component of the evaluation process.
- (ii) 20% of the each course (paper) shall be assessed through Assignments (Inter Assessment – In Semester Examination). Rest 80% of the marks in each course (paper) shall be assessed through University End Semester Examination
- (iii) The assignments to be submitted by a student would depend upon the Credit value of the Course, as follows:

Credit value of the course	No. of Assignments
2 Credits	1
3 credits	2
4 credits	2
6 credits	2

- (iv) A candidate may submit assignments in the office of the Directorate of Distance Education or at the Study Centres within the stipulated time. Subsequently the study centres shall transmit all the assignments programme-wise and course-wise to the office of the DODL for assessment.
- (v) Marks secured on the assignments by the candidates, who appeared in the examinations but failed, shall be carried over to the next permissible chances.
- (vi) Marks secured on the assignments by the candidates who filled in the examination forms but did not appear in the examination, shall also be carried over the next permissible chances.
- (vii) A candidate who fails to submit the assignments as per clauses shall be awarded zero in the In Semester Examination in the course where assignment(s) is (are) not submitted.
- (viii) The Internal Assessment evaluation system for the Post Graduate Programme under DODL, Dibrugarh University shall also be assessed and evaluated in OMR (Optical Marks Response) Sheet through Multiple Choice Objective Type Questions and Answers by conducting mid-term examinations.

## (j) Examination and Evaluation

- (i) Examination and Evaluation shall be done on a continuous basis
- (ii) There shall be 20% marks for internal assessment (In Semester) and 80% marks for End Semester Examination in each course during every Semester.
- (iii) There shall be no provision for re-evaluation of the answer – scripts of the End Semester Examinations. However, a candidate may apply for re-scrutiny.
- (iv) Internal assessment is assignment based or OMR based.
- (v) End Semester Examination:
  - (a) There shall be one End Semester Examination carrying 80% marks in each course of a Semester covering the entire syllabus prescribed for the course. The End Semester Examination is normally a written / laboratory-based examination.
  - (b) The Controller of Examinations shall then make necessary arrangements for notifying the dates of the End Semester Examinations and other procedures as per Dibrugarh University Rules (at least 20 days in advance) and the Academic Calendar / Date Sheet notified by the University / DODL, Dibrugarh University.
  - (c) The End Semester Examination for each course shall be of three hours duration.
  - (d) Setting of question papers, moderation of question papers, evaluation of answer scripts, scrutiny, tabulation of marks etc. and announcement of result of results, shall be governed by the Dibrugarh University Examination Ordinance 1972 (as emended up to date).
- (vi) Betterment Examination:
  - (a) A learner shall be entitled to take the “Betterment Examination” in any two theory courses of any of the four semesters after passing the Fourth Semester Examination only once. In this case the higher marks secured by the student shall be retained. The learner shall have to apply for betterment examination within one year after passing the Fourth Semester Examination.
  - (b) No betterment shall be allowed in the practical examination.
- (vii) A learner shall be declared as passed a course, provided he / she secures –
  - (a) at least 45% marks in each course (paper) in the End Semester Examination.
  - (b) at least 45% marks in the course (paper) in aggregate in the In-and-End-Semester Examination.
- (viii) A learner shall be declared as passed a Semester, provided he / she passes all the courses of a Semester independently.
- (ix) The marks of In – Semester Examinations (i.e., Internal Assessment) obtained by the learner shall be carried over for declaring any result.
- (x) A learner who fails or does not appear in one or more courses of any End Semester Examinations up to Fourth Semester shall be provisionally promoted to the next higher Semester with the failed course(s) as carry over course(s). Such learners will be eligible to appear in the carry over course in the next regular examinations of those courses. However, the following restrictions shall be applicable:

**“A learner shall be entitled to avail the chance for a maximum of 5 consecutive years from the date of admission to clear a course or courses as well as the whole programme”.**

- (xi) If a learner clears the Fourth Semester Examination before clearing all the courses of the previous semesters, the result of such candidate shall be kept withheld and his / her results shall be announced only after he / she clears the courses of the previous semesters.
- (xii) A learner must pass all his / her Semester Examinations within 5 years from the date of admission to the First Semester of any programme.
- (xiii) A learner shall be declared to have passed the Fourth Semester M.A. / M. Sc. / M. Com. Degree Programme provided he / she has passed all the Semesters and in all the course separately.
- (xiv) The system of evaluation in DODL, D.U. is different from that of the Conventional Department of the University. It has a multi-tire system of evaluation:
  - (a) Self-assessment exercise within each unit of study.
  - (b) Continuous evaluation mainly through assignments and/or Internal Assessment Examination through Multiple Choice Questions (MCQ) using OMR sheet.
  - (c) Term-end examination.
  - (d) Project work (Programme specific)
- (xv) The marks secured by a student in the Assignment / IA – In Semester Examination (20% of each course) is added with the marks secured in that course in End Semester examination which is 80% of the course.
- (xvi) The following scale of grading system shall be applied to indicate the performance of students in terms of letter grade and grade points as given below:

% of marks obtained in a course (Assignment + Term End)	Letter Grade	Grade Point	Qualitative Level
Above 95	O	10	Outstanding
85 – < 95	A <sup>+</sup>	9	Excellent
75 – < 85	A	8	Very Good
65 – < 75	B <sup>+</sup>	7	Good
55 – < 65	B	6	Above Average
50 – < 55	C	5	Average
45 – < 50	P	4	Pass
Below 45	F	0	Fail
0	Abs/I	0	Absent / Incomplete

- (xvii) The letter Grade ‘B<sup>+</sup>’ and above shall be considered First Class; the Letter Grade (s) ‘B’ to ‘P’ shall be considered as Second Class. However, letter Grade ‘B’ shall be considered as Second Class with minimum of 55% marks.
- (xviii) A learner is considered to have completed a course successfully and earned Letter Grade other than ‘F’ (Failed) or Abs / I (Absent / Incomplete).
- (xix) If a learner secures ‘F’ Grade in a Course, he / she shall have to reappear in the Course in the next legitimate chance.

(xx) Result of the learners appeared in the 'Betterment' examination shall not be counted for the award of Prizes / Medals / Rank or Distinction.

(xxi) A learner shall have to pay a prescribed fee to appear in the 'Betterment' Examination fixed by the University from time to time.

### **(k) Conversion of Marks to Grades and Calculation of GPA (Grade Point Average)**

In the Credit and Grade Point System, the assessment of individual courses in the concerned examinations will be on the basis of marks only, but the marks shall later be converted into Grade by some mechanism wherein the overall performance of the learners can be reflected after considering the Credit Points for any given course. However, the overall evaluation shall be designated in terms of Grade. There are some abbreviations used here that need understanding of each and every parameter involved in grade computation and the evaluation mechanism. The abbreviation and formulae used are as under:

#### **Abbreviations and Formula's Used:**

G : Grade

GP : Grade Points

C ; Credits

CP : Credit Points

CG : Credit X Grade (Product of Credit & Grades)

$\Sigma$  CG : Sum of Product of Credits & Grade Points

$\Sigma$  C : Sum of Credit Points.

$$\text{GPA} = \frac{\Sigma \text{CG}}{\Sigma \text{C}}$$

GPA : Grade Point Average shall be calculated for each Previous and Final Year Examination.

CGPA : Cumulative Grade Point Average shall be calculated for the entire programme by considering both Previous & Final Year taken together. It shall be calculate by the formula given below:

$$\text{CGPA} = (\sum C_{ni} G_{ni}) / (\sum C_{ni})$$

Here,

$C_i$  = number of credit for the  $i^{\text{th}}$  course,

$G_i$  = grade point obtained in the  $i^{\text{th}}$  course,

$C_{ni}$  = number of credit if the  $i^{\text{th}}$  course  $n^{\text{th}}$  the year,

$G_{ni}$  = grade point of the  $i^{\text{th}}$  course of the  $n^{\text{th}}$  year

After calculating the GPA for an individual year and the CGPA for the entire Programme, the value can be matched with the grade in the Grade Point table in (xvi) above

\* GPA and CGPA shall be rounded off to 2 decimal points and reported to the Grade Card (Sheet) and Transcript.

### **(l) Conversion Formula:**

Ordinarily the CGPA earned by a student may be converted to percentage of marks by following the formula mentioned as under:

### **CGPA×10 = Percentage of Marks**

#### **(m) Grade Card / Sheet (Reporting of Learners Performance):**

The Grade Card / Sheet issued at the end of end term examination to each learner shall contain the following:

- a. The marks obtained by a learner in each course,
- b. The credit earned for each course registered for that year,
- c. The performance in each course indicated by the letter grade,
- d. The Grade Point Average (GPA),
- e. The cumulative Grade Point Average (CGPA) and
- f. Conversion formula.

#### **(n) Transcript:**

The University may issue consolidated Transcript on request to the Controller of Examinations which shall contain letter grades, grade points, GPA and CGPA mentioning the Course Title in detail, medium of instruction and programme duration.

#### **(o) Rules for admission of Unsuccessful and Absentee Candidates**

Unsuccessful learners fails to complete programme within the stipulated time may take re admission in the programme by paying fees fixed by the University from time to time.

#### **(p) General:**

For any matter not covered under these Regulations for the Directorate of Open and Distance Learning, the existing Dibrugarh University Rules, Ordinances and the Dibrugarh University Act, 1965 (as amended ), The Dibrugarh University Examination Ordinance, 1972 (as amended up to date) and the Dibrugarh University Distance Education Ordinance, 2006 (amended up to date) shall be applicable.

#### **(q) Requirement of the laboratory support and Library Resources:**

The Programme does not require laboratory support. The Directorate of Open and Distance Learning, Dibrugarh University has a Library for its learners with sufficient books to help them through their studies. It has provision for distance learners to read as well as borrow books. Moreover, there is a provision for the learners to access the Dibrugarh University main library, Lakshminath Bezboroa Granthagar, with a present holding of approximately 175815 books and rare publications, apart from 18718 back volumes of journals, 3030 theses and dissertations.

#### **(r) Cost estimate of the Programme and the provision:**

Keeping an eye on the number of applicants applying for the conventional Master Degree in English at Dibrugarh University and the yearly output of Degree learners with major in English from various affiliated Colleges under Dibrugarh University, it can be estimated that

around six-seven hundred learners may seek admission to this Programme. If the cost estimate is calculated on 100 learners, the approximate cost is as follows:

Approximate earning (per 100 learners per annum)	= Rs. 720000/-
Development ( <i>SLM writing, editing, review, printing cost, recording, radio slots, remuneration, etc.</i> ):	= Rs. 450000/- (approx.)
Delivery ( <i>Postage, courier, door delivery, etc.</i> ):	= Rs. 20000/- (approx.)
Maintenance ( <i>Syllabus revision, SLM revision, Committee expenses, etc.</i> ):	= Rs. 10000/- (approx.)
Staff Payment and other Expenses	= Rs. 200000/- (approx.)
Total expenditure (approx.)	= Rs. 680000/-
Hence, total earning per 100 learners	= Rs. (720000.00 - 680000.00) = Rs. 40000.00

**(s) Quality assurance mechanism and expected programme outcomes:**

Dibrugarh University is committed to providing quality education to all. The Directorate of Distance and Open Learning, Dibrugarh University has a mission to reach the unreached, but keeping in view the standard of curriculum and the instructional design relevant to the area of study concerned. As such, every attempt has been made to make each and every component of the teaching-learning process (for eg. the Self Learning Materials, the syllabus, the examination process, etc.) up-to-date as well as of high quality and sound relevance to the learners.

There is the Internal Quality Assurance Cell for evaluating and reviewing of the course mechanisms and for monitoring the effectiveness of the programme.

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## **PROGRAMME PROJECT REPORT**

**PROGRAMME – MASTER OF ARTS (M. A.) IN POLITICAL SCIENCE: SEMESTER  
MODE**

**PREPARED BY CIQA, DODL, DIBRUGARH UNIVERSITY FOR THE ACADEMIC  
SESSION 2020-21 ONWARDS**

### **PRESENTED BEFORE**

- The Second Meeting of CIQA Committee on 29.11.2019 for onward process

*Forwarded under report to the forthcoming meeting of BoM and BoS to  
recommend to the statutory bodies*

### **PLACED BEFORE**

- The 150<sup>th</sup> Meeting of the Post Graduate Board on 05.12.2019

### **RECOMMENDED BY THE**

- The 150<sup>th</sup> Meeting of the Post Graduate Board to the 118<sup>th</sup> Meeting of Academic Council for Approval

**APPROVED BY THE HON'BLE VICE CHANCELLOR UNDER REPORT TO THE  
ACADEMIC COUNCIL**



**Programme Project Report**  
**Programme-MA in Political Science: Semester Mode**  
**PREPARED BY CIQA, DODL, DIBRUGARH UNIVERSITY FOR THE ACADEMIC**  
**SESSION 2020-21 ONWARDS**

**Programme's Mission and Objectives:**

**Mission:**

The mission of the Political Science Programme is to provide learners to develop critical, independent thinking about politics and public life. Programme provides an understanding of political concepts, organization and function of political systems.

**Objectives:**

To increase the knowledge of the Political Science Discipline.

To increase understanding of basic facts and concepts about the Indian political system, including its history, philosophical, constitutional and legal foundations, leading political values and ideas, governing institutions, and policymaking processes.

To create awareness among the learners about the democratic ethos of Indian society and encourages them to promote democratic values.

**Relevance of the Programme:**

The Directorate of Open and Distance Learning, Dibrugarh University has the vision to reach the unreached so in relate with this mission, Political Science Programme is an endeavour to provide higher education to the learners at door step. The relevance of the political science Programme lies in developing analytical skills and critical thinking in terms of analysing theories, institutions, and processes of the political system. The program prepares students for work in government, non-profit organizations, and private business, and it also prepares students for additional training in other post graduate and professional programs.

**Nature of the Prospective target group of learners:**

The target group of learners for the Programme M.A in Political Science are those who have completed their graduation irrespective of science, arts and commerce background. Programme is designed in such a way by taking the interest and need of the learners who are varies in terms of gender, incomes, locality or community as such. By taking into consideration of the interest and relevance of the Programme it is expected of having around 1500 learners for this programme.

**Learning Outcomes of the Programme:**

Learners by going through this Programme will be able

To understand not only the Indian Political System but also the working of other political system, different social movement, international conflicts and process of resolution of conflicts.

To pursue studies in socio-political processes with an aim to address challenges faced by the society, state, nation and the global community.

To undertake further research based on socio-political issues pertaining to India with a view to protect and promote ethnic diversity, ecological vibrancy and indigenous cultures of the region.

To involve or participate in the community affairs and can promote democratic values in the society.

**Instructional Design:**

The M.A. in Political Science Programme is a 64 credits Programme, spread over two years of 32 credits each in the First Year of Two Semesters (i.e., Semester I and Semester II) and in the Second Year of Two Semesters (i.e., Semester III and Semester IV). Each credit amounts to 30 hours of study comprising all learning activities. Thus, a four credit course involves 120 study hours.

To successfully complete this Programme, a learner will have to earn 64 credits over a period of 2 to 5 years. However, one is not allowed to earn more than 32 credits in a year.

The detailed semester-wise distribution of Courses for the M.A. in Political Science Programme is as follows:

**1<sup>st</sup> Semester**

Course Code	Course Title	No. of Assignments	Tutorial Hours	Counselling Hours	Study Input(in Hours)	Size of SLM (in no. of units)	Credits
P.Sc-101	Political Thought	2	120	12	120	16 units	4
P.Sc-102	Indian Government and Politics-II	2	120	12	120	16 units	4
P.Sc-103	Comparative Political System	2	120	12	120	16 units	4
P.Sc-104	International Relations	2	120	12	120	16 units	4

**2<sup>nd</sup> Semester**

Course Code	Course Title	No of Assignments	Tutorial Hours	Counselling Hours	Study Input (in Hours)	Size of SLM (in no. of units)	Credits
P.Sc-105	Indian Government and Politics-II	2	120	12	120	16 units	4
P.Sc-106	Public Administration: Process, Principles and Dynamics	2	120	12	120	16 units	4
P.Sc-107	Indian Foreign Policy: Issues & Challenges	2	120	12	120	16 units	4
P.Sc-108	Issues In International Relations	2	120	12	120	16 units	4

**3<sup>rd</sup> Semester**

Course Code	Course Title	No. of Assignments	Tutorial Hours	Counselling Hours	Study input (in Hours)	Size of SLM (in no. of units)	Credits
P.Sc-201	Political Theory	2	120	12	120	16 units	4
P.Sc-202	Social Movement and Politics In India	2	120	12	120	16 units	4
P.Sc-203	Public Personnel Administration: Issues and Trends-I	2	120	12	120	16 units	4
P.Sc-204	Human Rights in International Relations	2	120	12	120	16 units	4

**4<sup>th</sup> Semester**

Course Code	Course Title	No. of Assignments	Tutorial Hours	Counselling Hours	Study input (in Hours)	Size of SLM (in no. of Units)	Credits
PS.c-205	Movements for Identity & Social Justice	2	120	12	120	16 units	4
PS.c-206	Public Personnel Administration : Issues and Trends-II	2	120	12	120	16 units	4
PS.c-207	Rural Development in India	2	120	12	120	16 units	4
PS.c-208	Peace and Conflict Resolution	2	120	12	120	16units	4

## **DETAILED SYLLABI**

### **SEMESTER-I**

#### **Course-P.Sc 101 Political Thought (Credit-4)**

This course intends to provide an understanding of the contributions of the different thinkers and their contribution to political philosophy. Its purpose is to make the learners have an understanding of the historical legacy of the political philosophy.

*The topics of this course are divided into 6 blocks intended to make the learner's course of study manageable and systematic*

<b>Block</b>	<b>Block Title</b>	<b>No. of Units</b>	<b>Contents</b>
BLOCK-I	Greek Classical Thinkers	2	Plato; Aristotle
BLOCK-II	Representative Medieval Thinkers	3	St. Augustine; St. Thomas Aquinas; Niccoli Machiavelli
BLOCK-III	Contractualist Thinkers	3	Thomas Hobbes; John Locke; Jean Jacques Rousseau
BLOCK-IV	Western Liberal Thinkers	2	Jeremy Bentham; J.S Mill
BLOCK-V	Marxist Thinkers	3	Karl Marx; V.I Lenin; Mao-Ze-Dong
BLOCK-VI	Indian Political Thinkers	3	M.K Gandhi; M.N Roy; B.R Ambedkar

#### **Course-P.Sc102 Indian Government and Politics-I (Credit-4)**

The basic objective of this course is to acquaint the learners of political science with the process and dynamics of Indian politics. Apart from familiarising learners with the process and dynamics, the course also aims at introducing the learners to some of the important issues of Indian political system such as linguistic reorganisation of states, changing pattern of centre-state relations, changing role of political parties, special status to J&K. The course also makes an attempt to familiarise the learners with the functioning of executive, legislature and judiciary in India.

*The topics of this course are divided into 4 blocks intended to make the learner's course of study manageable and systematic*

Block	Block Title	No. of Units	Contents
BLOCK I	The Indian Political System	5	The Nature of Indian Politics; Making of Indian Constitution; Socio-Economic Background of Indian Constitution; The Preamble to the Indian Constitution; Amendment Procedure of Indian Constitution
BLOCK II	Reorganisation of Indian States	4	Problem of Integration of States after Independence; Linguistic Reorganisation of States; Special Status to the State of Jammu & Kashmir
BLOCK III	The Indian Government	3	Parliamentary Democracy & Indian Federal System; Center-State Relations; Changing Pattern of Center-State Relations
BLOCK IV	The Indian Government II	4	The Role of Indian Executive; Role of Indian Legislature; Role of Indian Judiciary; Indian Public Service

### Course-P.Sc 103

## Comparative Political System

(Credit-4)

To provide a cross-national of the institution of government, interactions between these institutions in the larger socio-economic matrix is the basic objective of this course. During the last few decades dramatic changes have occurred in the world of politics provides the scope and basic for selection of the contents of this course. The course contains both theoretical and empirical contents of existing and emerging issues in a Comparative perspective.

*The topics of this course are divided into 5 blocks intended to make the learner's course of study manageable and systematic*

Block	Block Title	No. of Units	Contents
BLOCK I	Conceptual Understanding of Comparative Political System	3	Nature, Evolution & Importance of Comparative Politics; Approaches and Methods of Comparative Politics; Problems and Perspectives of Comparative Political System
BLOCK II	Models of Political System Analysis	4	David Easton's Input-Output Analysis; Gabriel Almond's Structural Functionalism; Karl Deutch's Communication Analysis; Communication Theory
BLOCK III	The Classification of Political System	2	The Classical Division; Liberal Classification
BLOCK IV	State Institutions	3	Executive; Legislature; Judiciary
BLOCK V	State	4	State and Globalisation; Regional Integration and State; International Organisation and State;

			Transnational/Multinational Corporations and State
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**Course: P.Sc- 104**  
**International Relations**  
**(Credit-4)**

This course is designed to acquaint the learners to a broad understanding of International relations. It will offer a brief historical account of international relations and will discuss different theories of international relations.

*The topics are divided into 4 blocks intended to make the learner's course of study manageable and systematic*

Block	Block Title	No. of Units	Contents
BLOCK I	Historical Context	3	Emergence of the Westphalia System; Europe in the Nineteenth Century; Inter War Years and World War II
BLOCK II	Cold War	4	Origin and Evolution of Cold War; End of Cold War; Post Cold War Era; New World Order-Debate
BLOCK III	Theories of International Relations	6	Realism; Neo Realism; Liberalism; Neo-Liberal Institutionalism; Functionalism; Neo Functionalism
BLOCK IV	Radical Approaches of International Relations	3	Marxist Theory; Center-Periphery; Dependency

**Second Semester**  
**Course-P.Sc 201**  
**Indian Government and Politics-II**  
**(Credit-4)**

This course is a continuation of Previous Semester Course Code-102. The basic objective of this course is to acquaint the learners of political science with the role of different factors such as electoral machinery, political parties, pressure groups, caste, religion, language in Indian political system. Apart from it, the course also aims at introducing the learners about different threats to India's integrity such as separatist movement. The course also incorporates the democratic decentralisation process in India.

*The topics of this course are divided into 4 blocks intended to make the learner's course of study manageable and systematic*

Block	Block Title	No. of Units	Contents
BLOCK I	Role of Different Players in the Political Machinery of India	4	The Electoral Machinery & Elections in India; Political Parties in Indian Political System; Indian Political Parties: National & Regional; Pressure Groups in Indian Political System

BLOCK II	Role of Different Players in the Political Machinery of India II	4	Role of Caste; Role of Religion; Role of Language; Coalition Politics in India
BLOCK III	Different Threats to India's Integrity	4	Separatist Movements; Regionalism; Problems of Immigration; State Politics & Tribal Welfare Programmed
BLOCK IV	Democratic Decentralisation In India	4	Rural Local Government in India; 73 <sup>rd</sup> Amendment 1992 Act; Urban Local Self Government in India; Government Control over Local Self-Government

**Course: P.Sc - 202**

**Public Administration: Process, Principles and Dynamics  
(Credit-4)**

The main objective of this course is to acquaint the learners of Political Science with the basic concept, principle and dynamics of Public Administration. Apart from familiarizing learners with the fundamental concepts, the course also aims at introducing the learners to some of the vital contemporary concerns of our times such as New Public Administration, Comparative Public Administration, and Development Administration etc. It is envisaged that the course would provide the learners with a good exposure to the core concepts of Public Administration.

*The topics of this course are divided into 5 blocks intended to make the learner's course of study manageable and systematic*

Block	Block Title	No of Units	Contents
Block I	Introduction	3	Conceptual Understanding of Public Administration; Comparative Public Administration & Development Administration; New Public Administration
Block II	Basic Concepts and Principles	3	The concept of POSDCORB; Line & Staff Agencies; Theories of Administration
Block III	Personnel Administration	3	Role of Civil Services in Developing Societies; Recruitment, Promotion & Training; Pay Scale and Service Condition
Block IV	Financial Administration	3	Principle & Formulation of Budget; Accounts & Audit; Parliamentary Financial Committees
Block V	Accountability and Control	4	Concept of Accountability & Control; Citizen & Administration; People's Participation; Right to Information

**Course: P.Sc - 203**

**Indian Foreign Policy: Issues and Challenges  
(Credit: 4)**

The rationale of this course is to provide the learners a thorough understanding of the different issues and challenges of Indian foreign policy. In this direction an attempt has been made to understand the evolution and formulation of foreign

policy choices since its inception. Particular focus will be on understanding India's foreign policy in the context of emerging regional global challenges.

*The topics of this course are divided into 5 blocks intended to make the learner's course of study manageable and systematic*

Block	Block Title	No. of Units	Contents
BLOCK I	Introduction	4	Historical Origins; Determinants of Foreign Policy; Decision Making Institutions; Policy Development Process
BLOCK II	Nehruvian Tradition in Indian Foreign Policy	2	Non-Alignment Movement; Contemporary Relevance of NAM
BLOCK III	India and Outside World	4	India and South Asia; India and South East Asia; India and West Asia; India and Latin America
BLOCK IV	India and Major Powers	2	India and USA, European Union; India and Russia, China, Japan
BLOCK V	India and Major Issues International Relations	4	Debating Nuclear Issues; India and UN Peacekeeping System; India & Emerging Economic Order; Socio Cultural issues: Ethnic & Religious Movements, Environment, Global Terrorism, Globalisation

### Course- P.Sc 204

## Issues in International Relation

(Credit-4)

This course is the continuation of the Previous Semester Course Code-104. This course is designed to provide a broad understanding of various issues of International Relations such as international political economy, the elements of international economic relations. The course also makes an attempt to provide an understanding of the impact of globalisation in different aspects of a state with special reference to third world countries. Apart from it the course also gives special emphasises on the contemporary issues in International relation such as democracy, environment, sovereignty etc.

*The topics are divided into 5 blocks intended to make the learner's course of study manageable and systematic*

Block	Block Title	No. of Units	Contents
BLOCK I	International Political Economy	2	Theoretical Approaches to IPE; Major Policy Debates in IPE
BLOCK II	Elements of International Economic Relations	3	International Trade System; Movement of Labour and Capital; Monetary and Credit Relations
BLOCK III	Role of International Institutions	3	Bretton Woods; Multinational Corporations; Non Governmental Organisations
BLOCK IV	Globalisation and the State	4	The Concept of Globalisation; A Brief History of Globalisation; Culture and Globalisation; Globalisation and the Third World
BLOCK V	Contemporary Issues in International Relations	4	Democracy & Peace; Environment; Right to Self-Determination; Sovereignty



## Third Semester

### Course P.Sc: 301 **POLITICAL THEORY** (Credit - 4)

This paper intends to cover a wide range of issues that learners need to cultivate as foundation of political knowledge. The course avoids the preliminary concepts which were dealt in the earlier courses.

*The topics of this Course are divided into 5 blocks intended to make the learner's course of study manageable and systematic*

Block	Block Title	No. of Units	Contents
BLOCK I	The Concept of Political Theory	3	Conceptual Understanding of Political Theory; Different Types of Political Theory; The Importance of Political Theory
BLOCK II	Political Theory I	3	State & Civil Society; Power; Authority & Legitimacy
BLOCK III	Political Theory II	4	Democracy; Socialism; Nationalism; Globalisation
BLOCK IV	Political Theory III	3	Liberalism; Marxism; Gandhism
BLOCK V	Political Theory IV	3	Justice; Human Rights; Feminist Political Theory

### COURSE P.Sc: 302 **SOCIAL MOVEMENTS AND POLITICS IN INDIA** (Credit - 4)

The main objective of this course is to enrich the knowledge of the learners regarding the nature and scope, objectives, working and the success of the Social Movements and their relation to politics in India.

*The topics of this course are divided into 5 blocks intended to make the learner's course of study manageable and systematic*

Block	Block Title	No. of Units	Contents
BLOCK I	Conceptual Framework	3	Meaning, Nature & Significance of the Study of Social Movement; Approaches of Social Movement; Relevance and Methods of the Study of Social Movement
BLOCK II	Classification of Movement	7	Reform Movements; Reactionary Movements; Resistance Movements; Utopian Movements; Issue Based Movement; Group Based Movement; New Social Movement
BLOCK III	Social Movement in Colonial India	2	A Brief History of Colonial India; Socio-Religious Movements of the 19 <sup>th</sup> Century
BLOCK IV	New Trends in Indian Politics	2	Ideals of Indian Constitution; New Trends in Indian Politics
BLOCK V	Globalisation and Social Movements	2	Impacts of Globalisation on Social Movements; Globalisation and Social Movements in India

**Course P.Sc: 303****PUBLIC PERSONNEL ADMINISTRATION: ISSUES AND TRENDS I****(Credit - 4)**

The aim of this course is to familiarise the learners with the significance of Personnel Administration. It will help them to develop a broad perspective to understand personnel administration. After studying this course the learners will be able to know various developments, trends and patterns emerging in personnel administration. The course will familiarize the students with the elements of good administration like - recruitment, promotion, training, morale, civil services, bureaucracy, etc.

*The topics of this course are divided into 4 blocks intended to make the learner's course of study manageable and systematic*

<b>Block</b>	<b>Block Title</b>	<b>No. of Units</b>	<b>Contents</b>
BLOCK I	Introduction	6	Concept of Public Personnel Administration; Recruitment; Selection and Placement; Promotion; Training; Morale
BLOCK II	Civil Service I	4	Introduction; Max Weber's Concept of Bureaucracy; Types of Bureaucracy; Role & Functions of Bureaucracy
BLOCK III	Civil Service II	4	Introduction; Emergence of Civil Service in UK; Emergence of Civil Service in USA; Emergence of Civil Service in India
BLOCK IV	Relations with Politicians & Administrators and Specialist and Generalist	2	Politicians-Administrator relationship; Relationship between Specialist & Generalist

**Course P.Sc: 304****HUMAN RIGHTS IN INTERNATIONAL RELATIONS****(Credit - 4)**

This course is locating human rights discourse within broad parameter of international relations. Particular emphasis will be given to the problems and priorities of human rights in an increasing conflictual world.

*The topics of this course are divided into 5 blocks intended to make the learner's course of study manageable and systematic*

<b>Block</b>	<b>Block Title</b>	<b>No. of Units</b>	<b>Contents</b>
BLOCK I	Understanding Human Rights	3	Development and Evolution of Human Rights; Approaches & Perspectives of Human Rights; Views of M.K Gandhi and Noam Chomsky
BLOCK II	Human Rights in the Contemporary World	3	The UN Charter and UDHR; Third World Human Rights Scenario; Human Rights in North-South Relations
BLOCK III	Human Rights and International Humanitarian Law	3	Development & Evaluation of International Humanitarian Law; International Humanitarian Law and Human Rights Law; Humanitarian Jurisprudence and the Global Democratic

			Order
BLOCK IV	Implementation of International Humanitarian Law	3	Problems & Priorities; Protection of POW, Civilians, Child Combatants & Women; Terrorist Acts in International Humanitarian Law
BLOCK V	Human Rights: The Emerging Challenges	4	The Challenge of Globalisation; the Challenge of Ethnic Conflicts & Political Violence; Global Terrorism; Environmental Concerns

## **Fourth Semester**

**Course-P.Sc 401**

### **Movements for Identity and Social Justice (Credit-4)**

This particular course is the continuation of the Previous Semester Course code-302. The Course is designed to acquaint the learners with the understanding of different categories of social movements which takes place in India from time to time.

*The topics are divided into 4 blocks intended to make the learner's course of study manageable and systematic*

Block	Block Title	No. of Units	Contents
BLOCK I	Movements for Identity and Social Justice-I	3	Tribal Movements; Dalit Movements; Backward and Class Movement;
BLOCK II	Movements for Identity and Social Justice-II	4	Nation Building; Politics of identity; Ethnic Movements for Autonomy; Socio-Economic Bases of Identity Assertion of Ethnic Groups
BLOCK III	Movements for Identity and Social Justice-III	5	Women's Movement; Regional Movement; Caste & Language Based Movement; Religious Movement; Foreign National Movement;
BLOCK IV	Social Movements and Development	4	Working Class Movement; Peasant Movement; Students Movement; Environmental & Ecological Movements

**Course P.Sc: 402**

### **PUBLIC PERSONNEL ADMINISTRATION: ISSUES AND TRENDS I (Credit - 4)**

This course is a continuation of the Previous Semester Course Code-303. The aim of this particular course is to familiarise the learners with the classification of services, the methods of job evaluation, methods of performance appraisal etc. Apart from it the course also attempts to introduce the learners about the civil service associations and pay & fringe benefit system.

*The topics of this course are divided into 4 blocks intended to make the learner's course of study manageable and systematic*

Block	Block Title	No. of Units	Contents
BLOCK I	Classification of Services	3	Meaning & Importance; Advantages of Classification of Service; Types of Classification

BLOCK II	Job Evaluation & Performance Appraisal	3	Methods of Job Evaluation; Methods of Performance Appraisal; Performance Appraisal System in India
BLOCK III	Civil Service Associations	5	Introduction; Public Employees Union; Civil Service Rights; Grievance Redressal Procedure; Staff Council in India
BLOCK IV	Pay & Fringe Benefits	5	Introduction; Methods of Setting up of Salaries; Employee Welfare Measures; Employee Welfare Measures in India; Social Security

Course P.Sc: 403

### **RURAL DEVELOPMENT IN INDIA** (Credit- 4)

The main objective of this course is to familiarise the learners with the problems and prospects of rural development in India. It will enable them to understand the approaches to rural development, objectives of the various RDPs, implementing agencies, infrastructure to rural development, etc.

*The topics of this Course are divided into 5 blocks intended to make the learner's course of study manageable and systematic*

<b>Block</b>	<b>Block Title</b>	<b>No. of Units</b>	<b>Contents</b>
BLOCK I	Introduction	3	Conceptual Understanding of Rural Development; Nature, Scope & Dimension of Rural Development; Approaches & Strategies of Rural Development
BLOCK II	Administrative and Organizational Set Up for Rural Development	4	Administrative & Organisational Set up for Rural Development at National Level; at State Level; at District Level; at Block & Local Level
BLOCK III	Different Schemes of Rural Development	3	A Brief Analysis of Rural Development Programmes; Implementing Authorities of Rural Development Programmes; Role of Bureaucracy in Rural Development
BLOCK IV	People's Participation in Rural Development	3	The Role of PRIs in Rural Development; Role of Women in Rural Development; Role of SHGs & NGOs in Rural Development
BLOCK V	Some Important Issues Relating to Rural Development Programme	3	Rural Credit System; Rural Electrification; Impact of Rural Development Programme on Social-Economic Life of People

**Course P.Sc: 404**  
**PEACE AND CONFLICT RESOLUTION**  
**(Credit- 4)**

This particular course seeks to familiarize the learners with the different approaches and methods to the understanding of peace and conflict. It will specifically focus on the different mechanisms of conflict resolutions. Due attention will be given to the role of governmental and non- governmental organizations.

*The topics of this course are divided into 4 blocks intended to make the learner's course of study manageable and systematic*

Block	Block Title	No. of Units	Contents
BLOCK I	Introduction	3	Conceptual Analysis of Peace and Conflict; Nature & Scope of Peace and Conflict Studies; Nature and Forms of Conflict
BLOCK II	War	4	Theories of War; Types of War I- Conventional War, Limited War, Nuclear War; Types of War II-Revolutionary War, Civil War, Guerilla War; Types of War-III- Insurgency War and Counter-Insurgency War, Proxy War & Asymmetrical War, Terrorism
BLOCK III	Approaches to Peace I	5	UN Pacific Settlement of Disputes; UN System: Peace Keeping, Peace-Making and Adjudication; Disarmament and Arms Control; Confidence Building Measures; Conflict Management & , Conflict Resolution
BLOCK IV	Approaches to Peace II	4	Functional Approach & Regionalism; Gandhian Approach; Human Security; Peace Research & Peace Movements

**Faculty and Support Staff required:**

At present, the Directorate has one full-time Assistant Professor for the M.A. and one Associate Professor in English Programme supported by two non-teaching staffs. Apart from that, the Programme is assisted by the faculties from the Department of English, Dibrugarh University and also some from the nearby affiliated colleges.

**Instructional Delivery Mechanisms:**

The Directorate has developed printed Self-Learning Materials (SLMs) for all the Courses of the M.A. in English Programme. These materials have been developed by Course-writers, from the ODL and conventional mode, trained by Resource persons from STRIDE, IGNOU. These SLMs are developed with the self-explanatory, self-contained, self-directed, self-motivating and self-evaluating approach.

These printed SLMs are the primary learning tool for the learners. Apart from the printed SLMs, the directorate also provides certain media support as listed below.

Identification of media and student support service:

A Research and Media Support Service wing has been established with a two-fold objective to facilitate in house research in Distance Education as well as to facilitate the distance learners with multi-media facilities.

It provides supplementary support to the Distance Learners by the means of Course specific lectures as Radio Programmes, “GYAN-MALINEE”, on every Thursday at 8pm from All India Radio, Dibrugarh Centre, (M/W- 521.1). It has also its own Community Radio Station (FM 90.8).

The Directorate has also initiated the process of developing Video CDs related to the Course materials; and at present it has a few video CD for this Programme.

There is a provision of sending Bulk SMS to the learners providing information regarding Counselling programmes, Personal Contact programmes, Assignments, Date and Results of Examination, other Administrative and Examination related information and so on.

Further, the learners can update themselves about the events and activities of the Directorate by logging on to its website [www.ddedu.dibru.ac.in](http://www.ddedu.dibru.ac.in). Some of the facilities, apart from the general information are -

- Assignment questions.
- Important dates.
- Result.
- Already broadcasted Radio programmes.

Personal Contact Programmes / Counselling Programmes: The Directorate conducts weekend counselling for its learners. The personal contact programmes for these courses are also provided by the Learner Support Centers and the coordinators inform the schedules to the learners enrolled at their respective study centers. Apart from that the Directorate also conducts the following meets for the learners:

- Induction Meet

The DODL organizes one-day Induction Meet for the learners before commencement of counselling Sessions of previous year to give a clear map of the open and distance learning. It is a two-way interactive meet.

- Learners Meet

The DODL organizes learners meet to address their different problems related to the process learning.

- University Week

It is the Cultural and Sports confluence of DODL Learners and formal mode students of the University. It is organized once in a year.

#### **a) Procedure for admissions, curriculum transaction:**

##### Admission procedure:

- (i) Graduates (10 + 2 + 3 pattern) from any recognized university in the Major or Honours or General courses may apply for admission into a post-graduate course offered in Distance Education, D.U. and get themselves registered as learners of Distance Education, D.U.
- (ii) Provisionally admitted learners shall have to produce the transcript issued by the institution last attended or, the original mark sheet and other testimonials for verification at the Office of the DODL, D.U. as and when call for. On production of transcript/original mark sheet and other testimonials their admission to the DODL, D.U. will be confirmed latest by January.
- (iii) Students admitted shall be issued enrolment no.
- (iv) Notwithstanding any rules and procedures, a student may be refused admission if his/her past conduct in the educational institution last attended has not been satisfactory. A student who has been expelled/ rusticated or disqualified by the university may also be refused admission.
- (v) Admission of a student can be cancelled at any stage if it is found that he/she furnished incorrect information or has suppressed facts to secure admission. If any dispute arises out of such refusal/ cancellation, the decision of the Vice-chancellor, D.U. shall be final.
- (vi) The fees for the Post-Graduate Programmes in Distance Education shall be fixed by the university from time to time. Such fee shall include Admission Fee, Counseling Fee, Course Material Fee, Postal charges etc., payable in single installment at the time of admission. No cash deposition of fees shall be considered. Fees shall be accepted only in the form of a demand draft. Otherwise online payment mode of fees is highly recommended.
- (vii) The subject taken for M. A. / M. Com. programme may not necessarily be one of the subjects in his/her degree course. The candidate may be allowed to appear in any subject having relevant/ allied subject at the degree level.
- (viii) Mathematics in Degree level is a mandatory requirement for the learner who wants to take admission into the M.A. / M.Sc. Programme in Mathematics.
- (ix) A Master Degree holder under Distance Education may be allowed to appear at the Master Degree Examination again in a different programme or group if otherwise eligible. But two simultaneous degree of any kind in any mode of

education in the same institution or /and in different institution shall not be allowed.

- (x) Medium of Instruction (course materials & counseling) and Examination for the courses shall be English except for M.A. in language subjects.
- (xi) Study materials with Guidelines will be supplied to a student within a month from the last date of admission.

Admission notices/advertisements for various programmes of the Directorate of Open and Distance Learning, Dibrugarh University, are published in leading newspapers, both English and Assamese, at least forty-five days prior to the date of admission. Other than the DODL website [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in), it is also notified in the Dibrugarh University website, [www.dibru.ac.in](http://www.dibru.ac.in). Candidates are to apply in the prescribed Application form only. Apart from the online admission process, the admission form along with the Prospectus for offline mode can be downloaded from the website [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in).

### **Curriculum transaction**

The Directorate would conduct weekend counselling for its learners. Apart from this, they would be able to solve their queries over phone by calling the concerned subject Coordinator at their respective Study Centre. Moreover, for this programme a few Video CD would be provided and some recorded lectures and discussion would be provided through Radio Broadcasting Programme 'Gyanmalini', to be broadcasted from All India Radio Dibrugarh.

### **(g) Admission Fees:**

Rs 2500 (Course Fee / Semester) + 900 (Counseling Fee / Semester) + 400 (Enrolment Fee for the entire period of study to be paid only at the time of first entry level) + 300 (Gymkhana Fee for the entire period of study to be paid only at the time of first entry level)\*

\* The Gymkhana Fee of Rs. 300/- is meant only for the learners of Dibrugarh University DODL Study Centre and the same goes to the University General Fund use explicitly for Student Activities.

### **(h) Schedule of Programme:**

A Post-Graduate programme under Distance Education shall be conducted in four parts – (Semester I, Semester II, Semester III and Semester IV). The schedule for the Distance Education System shall be as shown below:

- (i) Odd Semesters (i.e., First and Third) : July to December (including End Semester Examinations)
- (ii) Even Semesters (i.e., Second and Fourth): January to July (including End Semester Examinations)

The total marks in a Post-Graduate Programme in Distance Education shall be as follows:

- (a) All the M.A. /M.Sc. / M.Com. Programmes of DODL, D.U. are of 2-years duration and the total credit ranges from 64-72.
- (b) Total marks for the two years M.A. /M.Sc. / M.Com. Programmes of DODL, D.U. shall be 1600 per programme.
- (c) 20% of the marks in each course shall be assessed through assignments



- (d) Rest 80% of the marks in each course (paper) shall be assessed through University End Semester Examination.

The syllabus for each course (paper) shall be divided into block and units keeping in view the Credit value of the course. The norms for delivery of courses through distance mode are as under:

<b>Credit Value of the course</b>	<b>Study input (hours)</b>	<b>Size of SLMs (unit)</b>	<b>No. of Counselling Sessions Theory (10% of total Study hours)</b>	<b>* Practical Session (hours)</b>
2 credits	60	6 – 8	6	60
3 credits	90	10-12	9	90
4 credits	120	14 – 16	12	120
6 credits	180	20 – 24	18	180

\* Some Programmes have practical component also. Practicals are held at designated institutions/ study centres for which schedule is provided by the study centre. Attendance at practical is compulsory.

**(i) Assignment:**

- (i) Assignment shall be a compulsory component of the evaluation process.
- (ii) 20% of the each course (paper) shall be assessed through Assignments (Inter Assessment – In Semester Examination). Rest 80% of the marks in each course (paper) shall be assessed through University End Semester Examination
- (iii) The assignments to be submitted by a student would depend upon the Credit value of the Course, as follows:

<b>Credit value of the course</b>	<b>No. of Assignments</b>
2 Credits	1
3 credits	2
4 credits	2
6 credits	2

- (iv) A candidate may submit assignments in the office of the Directorate of Distance Education or at the Study Centres within the stipulated time. Subsequently the study centres shall transmit all the assignments programme-wise and course-wise to the office of the DODL for assessment.
- (v) Marks secured on the assignments by the candidates, who appeared in the examinations but failed, shall be carried over to the next permissible chances.

- (vi) Marks secured on the assignments by the candidates who filled in the examination forms but did not appear in the examination, shall also be carried over the next permissible chances.
- (vii) A candidate who fails to submit the assignments as per clauses shall be awarded zero in the In Semester Examination in the course where assignment(s) is (are) not submitted.
- (viii) The Internal Assessment evaluation system for the Post Graduate Programme under DODL, Dibrugarh University shall also be assessed and evaluated in OMR (Optical Marks Response) Sheet through Multiple Choice Objective Type Questions and Answers by conducting mid-term examinations.

#### **(j) Examination and Evaluation**

- (i) Examination and Evaluation shall be done on a continuous basis
- (ii) There shall be 20% marks for internal assessment (In Semester) and 80% marks for End Semester Examination in each course during every Semester.
- (iii) There shall be no provision for re-evaluation of the answer – scripts of the End Semester Examinations. However, a candidate may apply for re-scrutiny.
- (iv) Internal assessment is assignment based or OMR based.
- (v) End Semester Examination:
  - (a) There shall be one End Semester Examination carrying 80% marks in each course of a Semester covering the entire syllabus prescribed for the course. The End Semester Examination is normally a written / laboratory-based examination.
  - (b) The Controller of Examinations shall then make necessary arrangements for notifying the dates of the End Semester Examinations and other procedures as per Dibrugarh University Rules (at least 20 days in advance) and the Academic Calendar / Date Sheet notified by the University / DODL, Dibrugarh University.
  - (c) The End Semester Examination for each course shall be of three hours duration.
  - (d) Setting of question papers, moderation of question papers, evaluation of answer scripts, scrutiny, tabulation of marks etc. and announcement of result of results, shall be governed by the Dibrugarh University Examination Ordinance 1972 (as emended up to date).
- (vi) Betterment Examination:
  - (a) A learner shall be entitled to take the “Betterment Examination” in any two theory courses of any of the four semesters after passing the Fourth Semester Examination only once. In this case the higher marks secured by the student shall be retained. The learner shall have to apply for betterment examination within one year after passing the Fourth Semester Examination.
  - (b) No betterment shall be allowed in the practical examination.
- (vii) A learner shall be declared as passed a course, provided he / she secures –
  - (a) at least 45% marks in each course (paper) in the End Semester Examination.
  - (b) at least 45% marks in the course (paper) in aggregate in the In- and End-Semester Examination.
- (viii) A learner shall be declared as passed a Semester, provided he / she passes all the courses of a Semester independently.
- (ix) The marks of In – Semester Examinations (i.e., Internal Assessment) obtained by the learner shall be carried over for declaring any result.

- (x) A learner who fails or does not appear in one or more courses of any End Semester Examinations up to Fourth Semester shall be provisionally promoted to the next higher Semester with the failed course(s) as carry over course(s). Such learners will be eligible to appear in the carry over course in the next regular examinations of those courses. However, the following restrictions shall be applicable:
- “A learner shall be entitled to avail the chance for a maximum of 5 consecutive years from the date of admission to clear a course or courses as well as the whole programme”.**
- (xi) If a learner clears the Fourth Semester Examination before clearing all the courses of the previous semesters, the result of such candidate shall be kept withheld and his / her results shall be announced only after he / she clears the courses of the previous semesters.
- (xii) A learner must pass all his / her Semester Examinations within 5 years from the date of admission to the First Semester of any programme.
- (xiii) A learner shall be declared to have passed the Fourth Semester M.A. / M. Sc. / M. Com. Degree Programme provided he / she has passed all the Semesters and in all the course separately.
- (xiv) The system of evaluation in DODL, D.U. is different from that of the Conventional Department of the University. It has a multi-tire system of evaluation:
- (a) Self-assessment exercise within each unit of study.
  - (b) Continuous evaluation mainly through assignments and/or Internal Assessment Examination through Multiple Choice Questions (MCQ) using OMR sheet.
  - (c) Term-end examination.
  - (d) Project work (Programme specific)
- (xv) The marks secured by a student in the Assignment / IA – In Semester Examination (20% of each course) is added with the marks secured in that course in End Semester examination which is 80% of the course.
- (xv) The following scale of grading system shall be applied to indicate the performance of students in terms of letter grade and grade points as

% of marks obtained in a course (Assignment + Term End)	Letter Grade	Grade Point	Qualitative Level
Above 95	O	10	Outstanding
85 – < 95	A <sup>+</sup>	9	Excellent
75 – < 85	A	8	Very Good
65 – < 75	B <sup>+</sup>	7	Good
55 – < 65	B	6	Above Average
50 – < 55	C	5	Average
45 – < 50	P	4	Pass
Below 45	F	0	Fail
0	Abs/I	0	Absent / Incomplete

- (xvii) The letter Grade ‘B<sup>+</sup>’ and above shall be considered First Class; the Letter Grade (s) ‘B’ to ‘P’ shall be considered as Second Class. However, letter Grade ‘B’ shall be considered as Second Class with minimum of 55% marks.
- (xviii) A learner is considered to have completed a course successfully and earned Letter Grade other than ‘F’ (Failed) or Abs / I (Absent / Incomplete).
- (xix) If a learner secures ‘F’ Grade in a Course, he / she shall have to reappear in the Course in the next legitimate chance.

(xx) Result of the learners appeared in the 'Betterment' examination shall not be counted for the award of Prizes / Medals / Rank or Distinction.

(xxi) A learner shall have to pay a prescribed fee to appear in the 'Betterment' Examination fixed by the University from time to time.

### **(k) Conversion of Marks to Grades and Calculation of GPA (Grade Point Average)**

In the Credit and Grade Point System, the assessment of individual courses in the concerned examinations will be on the basis of marks only, but the marks shall later be converted into Grade by some mechanism wherein the overall performance of the learners can be reflected after considering the Credit Points for any given course. However, the overall evaluation shall be designated in terms of Grade. There are some abbreviations used here that need understanding of each and every parameter involved in grade computation and the evaluation mechanism. The abbreviation and formulae used are as under:

#### **Abbreviations and Formula's Used:**

G : Grade

GP : Grade Points

C ; Credits

CP : Credit Points

CG : Credit X Grade (Product of Credit & Grades)

$\Sigma$  CG : Sum of Product of Credits & Grade Points

$\Sigma$  C : Sum of Credit Points.

$$\text{GPA} = \frac{\Sigma \text{CG}}{\Sigma \text{C}}$$

GPA : Grade Point Average shall be calculated for each Previous and Final Year Examination.

CGPA : Cumulative Grade Point Average shall be calculated for the entire programme by considering both Previous & Final Year taken together. It shall be calculate by the formula given below:

$$\text{CGPA} = \left( \frac{\sum C_{ni} G_{ni}}{\sum C_{ni}} \right)$$

Here,

$C_i$  = number of credit for the  $i^{\text{th}}$  course,

$G_i$  = grade point obtained in the  $i^{\text{th}}$  course,

$C_{ni}$  = number of credit if the  $i^{\text{th}}$  course  $n^{\text{th}}$  the year,

$G_{ni}$  = grade point of the  $i^{\text{th}}$  course of the  $n^{\text{th}}$  year

After calculating the GPA for an individual year and the CGPA for the entire Programme, the value can be matched with the grade in the Grade Point table in (xvi) above

\* GPA and CGPA shall be rounded off to 2 decimal points and reported to the Grade Card (Sheet) and Transcript.

### **(l) Conversion Formula:**

Ordinarily the CGPA earned by a student may be converted to percentage of marks by following the formula mentioned as under:

$$\text{CGPA} \times 10 = \text{Percentage of Marks}$$

### **(m) Grade Card / Sheet (Reporting of Learners Performance):**

The Grade Card / Sheet issued at the end of end term examination to each learner shall contain the following:

- a. The marks obtained by a learner in each course,
- b. The credit earned for each course registered for that year,
- c. The performance in each course indicated by the letter grade,
- d. The Grade Point Average (GPA),
- e. The cumulative Grade Point Average (CGPA) and
- f. Conversion formula.

**(n) Transcript:**

The University may issue consolidated Transcript on request to the Controller of Examinations which shall contain letter grades, grade points, GPA and CGPA mentioning the Course Title in detail, medium of instruction and programme duration.

**(o) Rules for admission of Unsuccessful and Absentee Candidates**

Unsuccessful learners fails to complete programme within the stipulated time may take re admission in the programme by paying fees fixed by the University from time to time.

**(p) General:**

For any matter not covered under these Regulations for the Directorate of Open and Distance Learning, the existing Dibrugarh University Rules, Ordinances and the Dibrugarh University Act, 1965 (as amended ), The Dibrugarh University Examination Ordinance, 1972 (as amended up to date) and the Dibrugarh University Distance Education Ordinance, 2006 (amended up to date) shall be applicable.

**(q) Requirement of the laboratory support and Library Resources:**

The Programme does not require laboratory support. The Directorate of Open and Distance Learning, Dibrugarh University has a Library for its learners with sufficient books to help them through their studies. It has provision for distance learners to read as well as borrow books. Moreover, there is a provision for the learners to access the Dibrugarh University main library, Lakshminath Bezboroa Granthagar, with a present holding of approximately 175815 books and rare publications, apart from 18718 back volumes of journals, 3030 theses and dissertations.

**(r) Cost estimate of the Programme and the provision:**

Keeping an eye on the number of applicants applying for the conventional Master Degree in English at Dibrugarh University and the yearly output of Degree learners with major in English from various affiliated Colleges under Dibrugarh University, it can be estimated that around six-seven hundred learners may seek admission to this Programme. If the cost estimate is calculated on 100 learners, the approximate cost is as follows:

Approximate earning (per 100 learners per annum)	= Rs. 720000/-
Development ( <i>SLM writing, editing, review, printing cost, recording, radio slots, remuneration, etc.</i> ):	= Rs. 450000/- (approx.)

Delivery ( <i>Postage, courier, door delivery, etc.</i> ):	= Rs. 20000/- (approx.)
Maintenance ( <i>Syllabus revision, SLM revision, Committee expenses, etc.</i> ):	= Rs. 10000/- (approx.)
Staff Payment and other Expenses	= Rs. 200000/- (approx.)
Total expenditure (approx.)	= Rs. 680000/-
Hence, total earning per 100 learners	= Rs. (720000.00 - 680000.00) = Rs. 40000.00

**(s) Quality assurance mechanism and expected programme outcomes:**

Dibrugarh University is committed to providing quality education to all. The Directorate of Distance and Open Learning, Dibrugarh University has a mission to reach the unreached, but keeping in view the standard of curriculum and the instructional design relevant to the area of study concerned. As such, every attempt has been made to make each and every component of the teaching-learning process (for eg. the Self Learning Materials, the syllabus, the examination process, etc.) up-to-date as well as of high quality and sound relevance to the learners.

There is the Internal Quality Assurance Cell for evaluating and reviewing of the course mechanisms and for monitoring the effectiveness of the programme.

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## **PROGRAMME PROJECT REPORT**

**PROGRAMME – MASTER OF ARTS (M. A.) IN SOCIOLOGY: SEMESTER MODE**  
**PREPARED BY CIQA, DODL, DIBRUGARH UNIVERSITY FOR THE ACADEMIC**  
**SESSION 2020-21 ONWARDS**

### **PRESENTED BEFORE**

- The Second Meeting of CIQA Committee on 29.11.2019 for onward process

*Forwarded under report to the forthcoming meeting of BoM and BoS to  
recommend to the statutory bodies*

### **PLACED BEFORE**

- The 150<sup>th</sup> Meeting of the Post Graduate Board on 05.12.2019

### **RECOMMENDED BY THE**

- The 150<sup>th</sup> Meeting of the Post Graduate Board to the 118<sup>th</sup> Meeting of Academic Council for Approval

**APPROVED BY THE HON'BLE VICE CHANCELLOR UNDER REPORT TO THE**  
**ACADEMIC COUNCIL**

## PROGRAMME PROJECT REPORT

### PROGRAMME- MASTER OF ARTS (M.A) IN SOCIOLOGY: SEMESTER MODE

#### PREPARED BY CIQA, DODL DIBRUGARH UNIVERSITY FOR THE ACADEMIC SESESSION 2020-21 ONWARDS

#### Programme's Mission and Objectives:

##### Mission:

The Mission of the programme 'Sociology' is to develop among the learners an objective understanding about the society. Through the course an attempt has been made to make the learners aware about different social problems and conditions and help them to synthesise different particularistic viewpoints to discover universal principles of social behaviour.

##### Objectives:

- ❖ The objectives of the programme is to introduce the students about the historical background of the emergence & growth of Sociology in the West.
- ❖ To sensitize the learners about the Indian society with a discussion on its structure and institutions.
- ❖ To aware the learners about the processes, issues, and social problems faced by the society.
- ❖ To understand the processes of growth change, and development of rural as well as urban society.
- ❖ To acquaint the learners with the nature and functioning of political system and the political processes.

##### Relevance of the Programme with HEI's Mission and Goals:

The Directorate of Open and Distance Learning, Dibrugarh University has the vision to reach the unreached so in relate with this mission, Sociology Programme is an endeavour to provide higher education to the learners at door step. The Programme Sociology improves our understanding of society and increases the power of social action. It assists an individual to understand himself, his capacities, talents and limitations. It enables him to adjust himself to the changing situations, knowledge of society, social groups, social institutions, associations, their functions etc. helps us to lead an effective social life. The programme Sociology made us to become more objective, rational and broad minded. It has impressed upon the students to overcome their prejudices, misconceptions, egoistic ambitions, and class and religious hatreds. Apart from that the learners of Sociology are eligible to work in the fields of factories and government, social security, reformation of criminals, social welfare, education and family planning etc.

##### Nature of Prospective target group of learners:

The target group of learners for the Programme M.A. in Sociology are those (a) who have completed their graduation from any recognized university having major or general, (b) in service personnel looking forward to improve their skills and knowledge to enable to go up in the ladder in their own organization or elsewhere and (c) individuals who are unable to pursue higher education in sociology due to different reasons.

##### Appropriateness of programme to be conducted in Open and Distance Learning mode to acquire specific skills and competence:

The programme Sociology can be regarded as appropriate to be conducted in open and distance learning due to following learning outcomes.

- It helps the learners to be up to date on the modern changing situations.
- The learners become good citizen and they contribute to the solution of community problems.
- Sociological knowledge is helpful for understanding and planning of society. It is a vehicle of social reform & social reorganisation.
- The learners will be able to conduct studies regarding tribal societies and problems. It will help many governments in undertaking various social measures to promote the social welfare of the tribal people.
- The learners will be able to undertake research on various socio-economic, political and educational issues. Sociologists specially trained in research procedures are in increasing demand in business, government, industry, social welfare, advertising, administration and many other areas of community life.

##### Instructional Design

M.A. in Sociology Programme shall be of four semesters covering two academic years. A learner has to register 64 credit in two academic sessions.



First semester 16 credit (compulsory).

Second semester 16 credit (compulsory).

Third semester 16 credit (compulsory).

Fourth semester 16 credit (compulsory).

Each course will include two assignments.

#### Course Structure

Course Code	Course Title	Assignment	Practical Sessions / Tutorials	Size of SLMs Range	Counseling Sessions( 10% of total study input	Study Input	Credit
<b>First Semester</b>							
Course Soc -101	General Sociology	2	120 hours	14 units	12	120 hours	4
Course Soc -102	Classical Sociological Tradition	2	120 hours	16 units	12	120 hours	4
Course Soc -103	Social Stratification	2	120 hours	15 units	12	120 hours	4
Course Soc -104	Methods and Techniques in Social Research	2	120 hours	16 units	12	120 hours	4
<b>Second Semester</b>							
Course Soc-201	Theoretical Perspectives in Sociology	2	120 hours	14 units	12	120 hours	4
Course Soc-202	Methods and Techniques in Social Research	2	120 hours	16 units	12	120 hours	4
Course Soc -203	Indian Social Structure	2	120 hours	16 units	12	120 hours	4
Course Soc -204	Social Change and Modernisation	2	120 hours	15 units	12	120 hours	4
<b>Third Semester</b>							
Course Soc- 301	Rural Sociology	2	120 hours	16 units	12	120 hours	4
Course Soc-302	Urban Sociology	2	120 hours	16 units	12	120 hours	4
Course Soc-303	Sociology of North East India	2	120 hours	16 units	12	120 hours	4
Course Soc-304	Sociology of Economic Development	2	120 hours	14 units	12	120 hours	4
<b>Fourth Semester</b>							
Course Soc-401	Political Sociology	2	120 hours	16 units	12	120 hours	4
Course Soc-402	Criminology and Penology	2	120 hours	16 units	12	120 hours	4
Course Soc-403	Industrial Sociology	2	120 hours	15 units	12	120 hours	4
Course Soc-404	Educational Sociology	2	120 hours	16 units	12	120 hours	4

Detailed syllabi of the programme Sociology :

#### First Semester:

Course Soc - 101

General Sociology

Credit:4 ( Total Units-14)

Objective:

The objective of the course is to introduce the students about the emergence & growth of Sociology in the West. Along with this the students would be acquainted with the basic concepts of Sociology.

**Block- 1 : Sociology as Science Marks-20**

- Unit-1 Positivism (Comte),
- Unit-2 Social Fact (Durkheim),
- Unit-3 Objectivity (Weber),
- Unit-4 Inter subjectivity (Marx)

**Block - 2 : Other Interpretations of Sociology Marks-20**

- Unit-1 C.W. Mills,
- Unit-2 Peter Berger,
- Unit-3 Alex Inkles,
- Unit-4 Anthony Giddens

**Block 3 : Culture Marks-20**

- Unit-1 Definition, Types of Culture and Theory of Cultural Lag.
- Unit-2 Mass Culture and Popular Culture

**Block 4: Social Processes & Social Change Marks-20**

- Unit- 1 Theories of Socialization
- Unit-2 Sanskritization & Westernization,
- Unit-3 Modernisation,
- Unit-4 Social Mobility.

**Essential Readings**

- Bernes H.E, Sociology, (Chapter - I)
- Berger Peter L., An Invitation to Sociology Chapter-I
- Bottommore T., Sociology, (Chapter-I),
- Giddens Anthony, Sociology, Chapter-I
- Inkles Alex, What is Sociology, Chapter - I
- Jayaram, N. An Introduction to Sociology, Chapter -I
- Mead G.H., Mind Self and Society (Chapter dealing with Self)
- Mills C. Wright, The Sociological Imagination, Chapter-I
- Popenoe David . Sociology, (Chapter on Social Change)
- Tylor E.B., The Science of Culture

**Course Soc - 102  
Classical Sociological Tradition  
Credit -4 ( Total Units-16)**

**Objective:**

The objective of the course is to acquaint the learners with the historical background of the emergence of sociology in the West. Here, first of all emphasis will be given to provide an outline of impact of Industrial Revolution and French Revolution on the economic and social system of these societies. That drew attention of thinkers and which ultimately gave rise to the discipline of Sociology. Besides, the learners will be acquainted with the writings of four classical thinkers viz., Comte, Durkheim, Weber and Marx .

**Block 1 : Auguste Comte: Marks-20**

- Unit-1 The Socio-Economic background of the emergence of Sociology,
- Unit-2 The Enlightenment and its impact on thinking and reasoning,
- Unit-3 Emergence of Positivistic thought,
- Unit-4 Stages of Human progress

**Block 2 : Emile Durkheim Marks-20**

- Unit-1 Sociology as a Science : Empiricism, Social Fact, Comparative Method,
- Unit-2 Mechanical Solidarity & Organic Solidarity, Division of Labour,
- Unit-3 Religion, Sacred & Profane,
- Unit- 4 Theory of Suicide

**Block 3 : Max Weber: Marks-20**

- Unit-1 Verstehen and Ideal Type,
- Unit-2 Social Action,
- Unit-3 Authority & Power,
- Unit-4 Religion and Capitalism

**Block 4 : Karl Marx****Marks-20**

- Unit-1 Historical Materialism,
- Unit-2 Stages and Development of Capitalism,
- Unit-3 Class and Class conflict,
- Unit-4 Alienation.

**Essential Readings:**

- Aron Raymond, - Main Currents in Sociological Thought, Vol. I & Vol. II
- Bendix Rinehard, 1960 - Max Weber, An Intellectual Portrait (for Weber), Doubleday
- Coser L.A., Masters of Sociological Thought, New York, Harcourt Brace.
- Giddens Anthony, 1977, Capitalism and Modern Social Theory -An analysis of writings of Marx, Durkheim and Weber, Cambridge University Press.
- Marx Karl, Economic and Philosophical Manuscript of 1844.
- Marx Karl and Engels Frederick, The German Ideology.
- Nisbet R., 1966, The Sociological Tradition, Heinemann Educational Book Ltd. London
- Popper Karl, 1945 - Open Societies and its Enemies, Routledge, London.
- Zeitlin Irvin, 1981 - Ideology & Development of Sociological Theory, Prentice Hall.

**Course Soc - 103**  
**Social Stratification**  
**Credit 4( Total Units-15)**

**Objective:**

The objective of the course is to introduce the student ideas about social stratification in general and complex class structure in particular of the present day societies of the world . The earlier simple societies are no longer found today. The present day societies are known as class societies alongwith many manifestations. These are due to many factors which ultimately lead to the highly stratified societies at present.

**Block - 1 : Concept and Forms of Social Stratification****Marks-20**

- Unit- 1 Meaning and concepts,
- Unit- 2 Social versus Natural Inequalities,
- Unit- 3 Forms of Stratification
- Unit- 4 Nature of Social Stratification

**Block - 2 : Theories of Social Stratification****Marks-20**

- Unit- 1 Conflict Perspectives (Marx & Dahrendorf),
- Unit- 2 Multidimensional Perspective (Weber & Warner),
- Unit- 3 Functionalist Perspectives (Davis & Moore & Michael Young),
- Unit- 4 Evolutionary Perspectives (Gerhard Lenski)

**Block - 3 : Bases of Social Stratification****Marks-20**

- Unit -1 Social Status (Ascriptive; Achieved),
- Unit -2 Ethnicity,
- Unit -3 Occupation,
- Unit -4 Education

**Block - 4: Social Mobility, Types, and Consequences****Marks-20**

- Unit - 1 Intergeneration Vs. Intrageneration,
- Unit - 2 Structural Vs. Circulation Mobility
- Unit - 3 Life Chances and Life Styles

**Essential Readings:**

- Barber Bernard, Social Stratification, Nercourt Brace & World Inc. U.S.A. 1957.Tumin Melvin M, Social Stratification, (2nd edn.) Prentice Hall of India Pvt. Ltd., New Delhi, 1992.
- Beteille A., Inequality Among Men, Basil Blackwell, Oxford, 1977.
- Davis Kingley, Human Society (364-391), Surjeet Publications (1st Indian Reprint), New Delhi, 1981
- Dumont Louis, Homo Hierarchicus, Oxford University Press, New Delhi, (4th Impression) 2004..
- Eshleman J. Ross, and Barbara G., Sociology (Chapter VIII & IX, 184-239) Little Brown and Co. Boston and Toronto, 1983..
- Giddens Anthony, Sociology, Policy Press, London, 1989
- Gupta Dipankar, (ed.) Social Stratification, Oxford University Press, New Delhi, (4th Impression) 1995.
- Haralambos, M. Sociology (24-97) Oxford University Press, New Delhi (14th Impression) 1995.
- Jayaram,N. Introductory Sociology, Macmillan, Madras, 1987.
- Johnson H.M., Sociology, Allied Publishers, Bombay, 1983.

- Lipset S.M., and, Bendix R.. (ed.) Class, Status and Power Free Press, Glencoc, New York, 1967.
- Olsen, M.E. The Process of Social Organisation, Oxford & IBH Publishing Co. New Delhi, 1968..
- Popenoe David, Sociology (213-256) Prentice Hall, Inc. Englewood Cliffs, New Jersey, 1977.
- Robertson Ian, Sociology (215-312) Worth Publishers Inc. New York, 1977.
- Reissman Leonard, "Social Stratification" (203-268)
- Sharma, K.L. Social Stratification and Mobility, Rawat Publications, Jaipur, 1997.
- Singh Yogendra, Social Stratification and Change in India, Monohar, New Delhi, 1977.
- Smelser N.J., Sociology (4th ed.) RP, (163-242) Prentice Hall of India, Pvt. Ltd., New Delhi, 1992.
- Smelser, N.J.(ed.) Sociology (RP) Wiley Eastern Pvt. Ltd. New Delhi, 1970

#### Course Soc - 104

#### Methods and Techniques in Social Research

#### Credit -4( Total Units-16)

#### Objective:

The objective of this course is to acquaint the students about the basic premises of social research including the various steps for formulation of research plan , techniques of data collection, data analysis and finalizing of research report.

#### Block -1 : Methodological Perspective in Social Research

Marks-16

- Unit -1 Science and its characteristics,
- Unit -2 Objectivity and Inter-Subjectivity,
- Unit -3 Concepts and Conceptualists,
- Unit -4 Ethic in Research

#### Block - 2 : Formulation of Problem and Designing the Research

Marks-16

- Unit -1 Initiation of Research,
- Unit -2 Hypothesis,
- Unit -3 Elements of Research Design,
- Unit -4 Types : Descriptive, Exploratory, Comparative, Case Study.

#### Block - 3 : Techniques of data collection and Analysis

Marks-16

- Unit -1 Observation, Questionnaires, Schedule and Interview,
- Unit -2 Analysis, Interpretation and Report Writing.

#### Block - 4 : Statistical Applications in Social Research :

Marks-16

- Unit -1 Needs ,Validity in Statistics,
- Unit -2 Reasoning and Applications in Statistics
- Unit-3 Needs and Validity in Computerization
- Unit-4 Methods and Application in Computerization.

#### Block -5: Statistical Methods:

Marks-16

- Unit -1 Measurements of Central Tendencies (Mean, Medium, Mode),
- Unit -2 Measures of Dispersion (Standard Deviation),
- Unit-3 Measures of Correlation (Pearsonian, Rank- Difference) ,
- Unit-4 Testing of Statistical Hypothesis (Chi-Square).

#### Essential Readings;

- Aggarwal Y.P. : Statistical Methods : Concepts and Application and Computation, Sterling Publications Pvt. Ltd., New Delhi, 1998
- Claire Selltiz & Others: Research Methods in Social Relations, Methuen and Co., New Fetterland, 1965.
- Goode W.J. & P.K. Hatt : Methods in Social Research, McGraw Hill Book Co. International Edition, New Delhi, 1981.
- Gupta B.N. : An Introduction to Modern Statistics, Bookland Pvt. Ltd., Calcutta, 1973.
- Lin Nan : Foundation of Social Research, McGraw Hill Book Co., New York, 1976.
- Muller John H. & Schuessler Karl F. : Statistical Reasoning in Sociology, Oxford and IBH Publications, New Delhi, 1961.
- Moser C.A. & Kelton G. : Survey Methods in Social Investigations, Heinemann Education Book, London, 1968.
- Young Pauline V.:Scientific Social Survey and Research, Prentice Hall of Indian Pvt. Ltd., New Delhi, 1994.

**Second Semester :**

**Course - Soc.: 201**  
**Theoretical Perspectives in Sociology**  
**Credit -4 ( Total Units-14)**

**Objective:**

This course is intended to introduce the students to the substantive, theoretical and methodological issues which have shaped the sociological thinking in the later half of the 20<sup>th</sup> century, and which continue to concern the practitioners of sociology today. The main focus of this course will be on structural, functional, and conflict theories, and symbolic interactionism, phenomenology, ethnomethodology and neoMarxism. The course will also examine the theoretical relevance and analytical utility of the premises, methodology and conclusions of these diverse theoretical perspectives in understanding social structure and change.

**Block - 1 : Structural Functionalism****Marks-20**

- Unit-1 Idea of Social Structure : Redcliff Brown;
- Unit-2 Functional Dimensions of Social Systems : Talcott Parsons;
- Unit-3 Reformulation of Functionalism : R.K. Merton;
- Unit-4 Neofunctionalism : J. Alexander

**Block - 2 : Conflict Theories****Marks-20**

- Unit-1 Critique of Marx and Dialectics of Conflict : R. Dahrendorf,
- Unit-2 Functional Analysis of Conflict : L. Coser,
- Unit-3 Conflict of Social Change : R. Collins

**Block - 3 : Critical Theory and Neo-Marxism****Marks-20**

- Unit-1 Frankfurt School - Life world and System : J. Habermas,
- Unit-2 Structural Marxism : L. Althusser,
- Unit-3 Hegemony : A. Gramsci

**Block - 4 : Interactionist Perspective and Recent Trends****Marks-20**

- Unit-1 Symbolic Interactionism : G. H. Mead,
- Unit-2 Ethnomethodology : H. Garfinkel
- Unit-3 Structuralism and Post-Structuralism : M. Foucault,
- Unit-4 Structuration : A Giddens

**Essential Reading :**

- Alexander, Jeffery C. 1987 - Twenty lectures : Sociological Theory since World War II N. York, Columbia University Press.
- Alexander, Jeffrey (ed.), Neo-functionalism, Introduction, pp.7-18.
- Althusser, Louis, " Ideology and Ideological State Apparatuses in Lenin & Philosophy and other Essays".
- Benjamin, Walter, "The Work of Art in the Age of Mechanical Reproduction" in Illuminations.
- Blumer, Herbert : "Society as Symbolic Interaction" in Symbolic Interactionism, pp.780-79.
- Bourchieu, Pierre, The Logic of Practice Book I, Ch.3 : Structures, Habitus, Practices, pp.52-65.
- Craib, Ian, 1992 - Modern Sociological Theory : From Parson to Haberman (2nd ed.) London : Harvester Press.
- Collin, Randal, 1997 - (Indian Edition), Sociological Theory, Jaipur and New Delhi, Rawat.
- Dahrendorf, Ralf, Class and Class Conflict in Industrial Societies, (Chapter V. pp.157-205).
- Foucault, M : Power-Knowledge, N. York: Pantheon, 1980, pp.1-185.
- Garfinkel, Harold, "What is Ethnomethodology?" in Studies in Ethnomethodology, Ch.I. pp.1-34.
- Giddens, Anthony, 1983 - Central Problems in Social Theory : Action, Structure Contradiction in Social Analysis, London, Macmillan.
- Goffman, Erving, "The Moral Career of the Mental Patient" in Asylums : Essays on the Social Situation of Mental Patients and Other Inmates, pp.125-169.
- Goffman, Erving, "Role Distance" in Encounters : Two Studies in the Sociology of Interaction, pp.85-115.
- Gouldner, Alvin, The Coming Crisis of Western Sociology, Ch. 4 Part IV "Parson Structural Functionalism" pp.138-163.
- Kuper, Adam and Jessica Kuper (eds.) 1996 (2nd edn.) The Social Science Encyclopaedia, London & New York : Routledge.
- Merton, R.K. "On Sociological Theories of the Middle Range" and "Manifest and Latent Functions" both essays found in both On theoretical Society (pp.39-138) and Anomic and Social Structure.
- Ritzer, George 1992 (3rd ed.), Sociological Theory, New York, New York : Mc Graw Hill..

- The Evolution of Societies, Talcott Parsons edited and an introduction by Jackson Joby, Prentice Hall, Englewood Cliffs, New Jersey
- Turner, Jonathan H. 1995 (4th ed.) "The Structure of Sociological Theory" Jaipur and N. Delhi, Rawat.
- Zeitlin, Irving M. 1998 (Indian Edition) - Rethinking Sociology : A critique of Contemporary Theory Jaipur & N. Delhi Rawat.

### Course Soc : 202

#### Methods and Techniques in Social Research

Credit – 4 ( Total Units-16)

<b>Block - 1 : Qualitative Research Techniques</b>	<b>Marks-20</b>
Unit-1 Techniques and Methods of qualitative research.	
Unit-2 Qualitative data format and processing.	
Unit-3 Methodological dilemmas and Issues in qualitative research.	
Unit-4 Validity and reliability of qualitative research.	
<b>Block - 2 : Quantitative Methods and Social Research:</b>	<b>Marks-20</b>
Unit-1 Assumptions of quantification and measurement,	
Unit-2 Errors and rounded measures.	
Unit-3 Grouping and classification of data,	
Unit-4 Tabulation : types and techniques.	
<b>Block - 3 : Deduction, Induction and Scaling methods:</b>	<b>Marks-20</b>
Unit-1 Deduction : (a)Meaning and Application , (b)Merits and Demerits;	
Unit-2 Induction : (a)Meaning and Application, (b)Merits and Demerits.	
Unit-3 Types and Methods of Scales	
Unit-4 Reliability and validity of attitude scale	
<b>Block - 4 : Probability and Sampling:</b>	<b>Marks-20</b>
Unit-1 Meaning and Application,	
Unit-2 Types and Methods,	
Unit-3 Sample Size and Errors	
Unit-4 Needs and Validity	

#### Essential Readings:

- Aggarwal Y.P. : Statistical Methods : Concepts and Application and Computation, Sterling Publications Pvt. Ltd., New Delhi, 1998
- Bryman Alan, : Quality and Quantity in Social Research, Unwin Hyman, London, 1988.
- Claire Selltitz & Others: Research Methods in Social Relations, Methuen and Co., New Fetterland, 1965.
- Goode W.J. & P.K. Hatt : Methods in Social Research, McGraw Hill Book Co. International Edition, New Delhi, 1981.
- Gupta B.N. : An Introduction to Modern Statistics, Bookland Pvt. Ltd., Calcutta, 1973.
- Lin Nan : Foundation of Social Research, McGraw Hill Book Co., New York, 1976.
- Moser C.A. & Kelton G. : Survey Methods in Social Investigations, Heinemann Education Book, London, 1968.
- Muller John H. & Schuessler Karl F. : Statistical Reasoning in Sociology, Oxford and IBH Publications, New Delhi, 1961.
- Mueller J.H. and Schuessler K.F. - Statistical Reasoning in Sociology, Oxford & IBH Publishing Co. New Delhi, 1961
- Mukherjee (eds) P.N. - Methodology in Social Research : Dilemmas and Perspectives, Sage publication, New Delhi, 2000.
- Young Pauline V.:Scientific Social Survey and Research, Prentice Hall of Indian Pvt. Ltd., New Delhi, 1994.
- Shipman Martin : Limitations of Social Research, Orient Longman, London, 1988.

### Course Soc – 203

#### Indian Social Structure

Credit: 4 ( Total Units-16)

**Objective:**

**This course aims to sensitize the student about the Indian Society with a discussion on its structure and institutions. The student is also made aware of certain processes, issues, and some problems faced by the society.**

**Block – 1 : Indian Social Structure****Marks-20**

- Unit-1 Caste (Definition, Varna Vs. Jati, Dominant Caste),
- Unit-2 Tribes (Definition and Characteristics, Distribution, Social Change),
- Unit-3 Class – (Definition, Middle and new Middle Class, Caste and Class),
- Unit-4 Ethnicity – (Definition, Ethnicity as a Process, Identity and Crisis)

**Block – 2 : Institutions****Marks-20**

- Unit-1 Family (Nuclear, Joint & Extended),
- Unit-2 Marriage (Hindu, Muslim & Christian)
- Unit-3 Kinship (North & South),
- Unit-4 Religion (Hinduism, Islam, Christianity, Buddhism)

**Block – 3 : Social Processes****Marks-20**

- Unit-1 Migration,
- Unit-2 Urbanisation,
- Unit-3 Industrialization,
- Unit-4 Globalization

**Block – 4 : Issues in the study of Indian Society****Marks-20**

- Unit-1 Religious Pluralism,
- Unit-2 Secularism,
- Unit-3 Status of Women,
- Unit-4 Nation and Nationalism

**Essential Readings:**

- Thaper Ramesh (ed.) Tribe, Caste and Religion in India, Macmillan India, 1997.
- Kosambi D.D. : The Culture and Civilization of Ancient India in Historical Perspective, Vikas Publishing House, New Delhi, 1982.
- Dube S.C.: The Indian Village, Rouledge, London, 1955
- Karve I. : Hindu Society: An Interpretation, Puna, Deccan College
- Singh K.S. S : The People of India : An Introduction, Seaque Book, Calcutta
- Majumdar D.N. & T. N. Madan: An Introduction to Social Anthropology, Asia Publishing House, 1956 (1st Edn.).
- Prabhu P.H. : Hindu Social Organization, Popular Prakashan, Bombay, 1963.
- Srinivas M.N. : India's Villages, Asia Publishing House, Bombay, 1960.
- Srinivas M.N. : Caste in Modern India and Other Essays.
- Desai A.R. : Social Background of Indian Nationalism, Population Prakashan, Bombay, 1966.
- Betaille Andre : The Backward Classes in Contemporary India, New Delhi, Oxford, 1984.
- Shah G. : 'Caste, Class and Reservation', in Haroobhai Mehta and Hasmukh Patel (ed.), Dynamics of Reservation Policy, Palist Publisher, New Delhi 1985, (pp.114-128).
- Shah G. (ed.) : Social Movements in Indian, Sage Publication, New Delhi, 1992.
- Rao M.S.A. : Backward Class Movements in S.C. Malik (ed.) Indian Movements: Some Aspects of Dissent, Protest & Reform, Indian Institute of Advanced Studies, Simla, 1978.
- Omved Gail t : Cultural Revolt in a Colonial Society : The Non-Brahmanism Movement in Western India, Indian Social Science Trust, Bombay, 1976.
- Srinivas M.N. : Social Change in Modern India.
- Chatterjee Partha : The Nation and its Fragments, OUP, New Delhi.

**Course Soc - 204****Social Change and Modernization****Credit 4( Total Units-15)****Objectives:**

**Social change has always been a central concern of Sociological Study and modernization has emerged as a remarkable features of our times. Accordingly, the relevance of the course ' Social Change and Modernization' is designed to achieve the following objectives-**

- To provide conceptual and theoretical understanding of social change and modernization as it emerged in sociological literature.
- To address in particular, the Indian experience of social change by taking into account the different agencies of social change and the role of Governmental and Non- Governmental Organisation in bringing social change in India.

**Block - 1 : Conceptual Issues :****Marks- 20**

- Unit-1 Definition of Social Change,
- Unit-2 Distinction with Evolution, Progress, and Development.
- Unit-3 Factors of Social Change,
- Unit-4 Direction of Social Change

**Block - 2 : Theories of Social Change :****Marks-20**

- Unit-1 Evolutionary,
- Unit-2 Cyclical,
- Unit -3 Structural,
- Unit-4 Conflict

**Block - 3 : Theories of Modernization****Marks-20**

- Unit-1 Rostow, W.W.;
- Unit-2 Levy, M.J.;
- Unit-3 Lerner, Daniel;
- Unit-4 Moore, W.E.

**Block - 4 : Some Processes and Agencies of Social Change in India :****Marks- 20**

- Unit-1 Urbanization and Industrialisation,
- Unit-2 Mass-Media and Communication,
- Unit-3 Transport and Communication

**Essential Readings:**

- Young K., and Mack R., Systematic Sociology, 1972, East-West Student Education, Affiliated East-West Press Pvt. Ltd., New Delhi.
- MacIver R.M. and Page C.H., 1967, Society, An Introductory Analysis, Mac Millan, London.
- Moore W.E., 1987, Social Change Practice Hall of New Delhi.
- Strasser Hermann and Randall C. Susan, 1981, An Introduction to Theories of Social Change, Routledge & Kegan Paul, London.
- Parsons T., 1956, Social System, Routledge & Kegan Paul, London.
- Singh Y., 2000, Cultural Change in India, Rawat Publication, New Delhi.
- Singh, Y. 1986, Modernization of Indian Tradition, Rawat Publication, Jaipur.
- Prasad N., 1970, Change Strategy in a Developing Society : India, Meenakshi Prakashan, Meerut.
- KabrN.K. a, 1997, Development Planning in India, Sage Publication, New Delhi.
- Desai A.R., 1984, India's Path of Development, Popular Prakashan Bombay.
- Borthakur B.N., 2004, Sociological Aspects of Economic Development, Academy, Dibrugarh.
- Borthkur B.N. 1994, Communication and Village Development, Institute of Social Research and Applied Anthropology, Kolkata.
- Byres J. Terence (ed) 2001, The State, Development Planning and Liberalization in India, O.U.P., New Delhi.
- Srinivas M., 1956, 'Industrialization and Urbanization of Rrual Areas' in Sociological Bulletin, Vol. V. September, 1956.

**Third Semester****Course Soc : 301****Rural Sociology****Credit 4 ( Total Units-16)****Objective:**

The objective of the paper is to make the students aware of the basic sociological issues of rural society and also to understand the processes of change and development of rural society in India.

**. Block - 1 : Rural Sociology****Marks-20**

- Unit-1 Emergence of Rural Sociology,
- Unit-2 Rural Sociology as an academic discipline
- Unit-3 Field of Study;
- Unit-4 Village studies and their significance.



**Block - 2 : Rural Society and Rural Social Institutions:****Marks-20**

- Unit-1 Rural society and its features,
- Unit-2 Rural family,
- Unit-3 Rural religion,
- Unit-4 Caste and Economy

**Block - 3 : Rural Power Structure :****Marks-20**

- Unit-1 Traditional Rural Power Structures,
- Unit-2 Dominant Caste,
- Unit-3 Panchayati Raj,
- Unit-4 Changing Leadership and Emergence of Elites.

**Block - 4 : Rural Development and Policy****Marks-20**

- Unit-1 Social Transformation and Development of Rural India;
- Unit-2 Integrated Rural and Tribal Development.
- Unit-3 Voluntary agencies of rural development.
- Unit-4 Five Year Plans and Rural Development

**Essentials Readings:**

- Desai A.R. : Rural Sociology in India, Popular Prakashan, Bombay, 1990 (IRP).
- Dube S.C. : India's Changing Village, Allied Publishers, Bombay, 1967.
- Oommen T.K. : Social Transformation in Rural India, Vikash Publishing House, New Delhi, 1989.
- Srinivas M.N. : The Remembered Village, Oxford University Press, Delhi, 1997.
- Jetley Surinder: Modernizing Indian Peasants, Asian Educational Services, New Delhi, 1977.
- Long Norman : An Introduction to the Sociology of Rural Development, Tavistock Publication, Ltd., London, 1977.
- Fuller C.J.: Caste Today, Oxford University Press, Delhi, 1998.
- Madan T.N. (ed). : Religion in India, Oxford University Press, Delhi, 1998.
- Saran Parmatma : Rural Leadership in Context of India's Modernization, Vikash Publishing House Pvt. Ltd. New Delhi., 1978.
- Arora R.C. : Integrated Rural Development, S. Chand & Co, New Delhi, 1986.
- Gupta S.K. : Tribal Development : Indus & Publishing Co. New Delhi, 2002.
- Thekkamalai S.S. : Rural Development and Social Change in India, D.K. Publications, New Delhi, 1983.
- Singh Yogendra; Essays on Modernization in India, Monohar Publishing House, New Delhi, 1978.

**Course Soc : 302****Urban Sociology****Credit-4 (Total Units- 16)****Objective:**

**This course intends to study the theoretical approaches on the growth of urban centers according to different classical thinkers. It shall also examine the emergence of cities and their consequences. The function and structure of urban areas shall also be the main focus.**

**Block - 1 : Urban Sociology in India****Marks-20**

- Unit-1 Emerging Trends in Urbanisation ,
- Unit-2 Factors of Urbanisation,
- Unit-3 Dimensions of Urbanisation,
- Unit-4 Social consequences of Urbanisation

**Block - 2 : Theoretical Approaches and Concepts****Marks-20**

- Unit-1 Chicago School - Park, Burgess and Mackenzie,
- Unit-2 Urbanism-Louis Wirth
- Unit-3 Rural - Urban continuum-Robert Redfield.
- Unit-4 Industry - Centered Development.

**Block - 3 : Urban Social Structure****Marks-20**

- Unit-1 Changing occupational structure,
- Unit-2 Urban stratification and class
- Unit-3 Mobility,
- Unit-4 Urban culture

**Block - 4 : Problems of Urban India****Marks-20**

- Unit-1 Indian city and its growth.
- Unit-2 Urbanisation and Migration,
- Unit-3 Slums and environmental problems.
- Unit-4 Urban Poverty

**Essentials Readings**

- Mellor J.R. : Urban Sociology in an Urbanised Society, 1974.
- Reiss A.J. & Hatt (ed.)P.K. : Cities and Society, 1964.
- Bose Ashish : Studies of India's Urbanisation 1901-71, 1973.
- Misra R.P. : Urbanisation in India - Challenges and Opportunities, Regency Pub, 1998.
- Bhat C.S. et.al (ed) : A Reader in Urban Sociology, 1991.
- Desai A.R. &
- Pillai S.D. (ed) : Slums and Urbanisation, Popular Prakashan, 1970.
- Gold Harry : Sociology of Urban Life, Prentice Hall, 1982.
- Abrahamson M. : Urban Sociology, Prentice Hall, 1976.
- Jayapalan N. : Urban Sociology.

**Course Soc : 303****Sociology of North East Region of India****Credit -4 (Total Units- 16)****Objective:**

The main aim of this course is to acquaint the student the various issues of the North East Region of India which is a frontier region of the country. It is a miniature India wherein different social structures of the people inhabiting here, the process of tradition modern continuum is still noticed and to which the students will get exposure. Further the students will be able to know various development processes that are being augmented in the region.

**Block - 1 : North East as a Frontier Region of India.****Marks-20**

- Unit-1 Importance of the study of North East India as a frontier region.
- Unit-2 Evolution of North East Region in pre-independent and post independent periods.
- Unit-3 Ecology and habitation.

Unit-4 Significance of making a sociological study of North East Region.

**Block - 2 : Demographic Features**

**Marks-20**

- Unit-1 Population distribution in different states including rural-urban distribution, hills and plains wise distribution, density of population and sex ratio.
- Unit-2 Linguistic groups and religious groups.
- Unit-3 Caste structure along with caste-tribe interactions.
- Unit-4 Causes and effects of population growth in North East Region of India.

**Block - 3 : Traditional Social Institutions of North East Region of India.**

**Marks-20**

- Unit-1 Traditional kinship as a social institution.
- Unit-2 Traditional family as a social institution.
- Unit-3 Traditional marriage as a social institution.
- Unit-4 Traditional political institutions of the tribes of North East Region of India.

**Block - 4 : Urbanization, Communication and Manpower Development**

**Marks-20**

- Unit-1 Trend and Level of urbanization in North East Region of India.
- Unit-2 Pattern of urbanization and Future Growth of urbanization in North East Region of India.
- Unit-3 Development of Communication (spatial) in North East Region of India and its Future Scenario.
- Unit-4 Manpower Development along with the Educational Development in North East Region of India (from historical perspective)

**Essential Readings :**

- Dutta B.B. : Land Relations in North East India, People's Publishing House, New Delhi. 1987.
- Bhattacharjee J.B. (ed.) : Sequences of Development in North East India, Omsons Publications, New Delhi, 1989.
- Dutta B.B. (ed.) : Shifting Cultivation in North East India, Gagan Publisher, Ludhiana, 1986.
- Majumdar D.N. (ed.) : Shifting Cultivation in North East India, Omsons Publications, New Delhi, 1990.
- Alam K. (ed.) : Agricultural Development in North East India, Deep and Deep Publications, New Delhi, 1993.
- Samatna R.K. (ed.) : Rural Development in North East India, Uppal Publishing House, New Delhi, 1991.
- Bordoloi B.N. (ed.) : Constraints of Tribal development in North East India, Tribal Research Institute, Guwahati, 1990.
- Dutta Ray B. & Baishya P. (ed.) : Sociological Constraints to Industrial Development in North East India, Concept Publishing Co. New Delhi, 1998.
- Deb B.J. (ed.) : Regional Development in North East India, Reliance Publishing House, New Delhi, 1995.
- N.E.I.C.S.S.,R. : Problems of Tea Industry in North East India, Research India Publication, Calcutta, 1981.
- Ganguly J.B. (ed.) : Urbanization and Development in North East India : Trends and Policy Implications, Deep and Deep Publications, New Delhi, 1995.
- Datta Rau B. et. al / (ed.) : Urban Development in North East India : Potentiality and Problems, Reliance Publishing House, 1999.
- Alam K. et.al. (ed.) : Guwahati : The Gateway of the East, Concept Publishing Co. New Delhi, 2001.
- Singh B.P. : Problems of Change, A Study of North East India, Oxford University Press, New Delhi, 2003.

- Dubey S.M. (ed) : North East India; A Sociological study, Concept Publishing Company, New Delhi, 1978.
- The North Eastern Research Bulletin Vol. XI, Summer, 1994.
- Basic Statistics of N.E. Region, North Eastern Council Secretariat, Shillong (Recent Issues).
- Jaswal I.J.S. (ed) : Status of Ecology, Punjab Publishing House, Patiala, 1984.
- Sen S. (ed) : Religion in North East India, Uppal Publishing House, New Delhi, 1993.
- Mukherjee S. et.al. : Demography of North East India, Omsons Publications, New Delhi.
- Gopalkrishna R. a : The N.E. India, Land, Economy and People, Vikas Publishing House, Pvt. Ltd. New Delhi, 1991.
- Gadgil M. and Guha R. : This Fissured Land, Oxford University Press, New Delhi, 1993.
- Dutta Ray B. et.al. (ed.) population, Poverty and Environmental in North East India, Concept Publishing Co. New Delhi, 2000.

### **Course Soc : 304**

### **Sociology of Economic Development**

### **Credit-4 (Total Units- 14)**

#### **Objective:**

**This course aims at providing a theoretical knowledge on Economic Development from sociological perspective. The theoretical knowledge will enable a student to apply the same in Practical field. Hence the paper has practical value.**

#### **Block - 1 : Key Issues:**

**Marks-20**

- Unit-1 The Scope of Sociology of Economic Development.
- Unit-2 Inter-Relationship between Society and Economy.
- Unit-3 Concepts of Economic Growth and Economic Development.
- Unit-4 Sociological Factors of Economic Development.

#### **Block – 2 : Models of Economic Development.**

**Marks-20**

- Unit-1 Capitalism,
- Unit-2 Socialism,
- Unit-3 Mixed economy,
- Unit-4 The Third World and its Interaction with the Capitalist and Socialist countries.

#### **Block – 3 : Sociological Theories of Economic Development**

**Marks-20**

- Unit-1 Marx,
- Unit-2 Weber,
- Unit-3 Hoselitz,
- Unit-4 Moore

#### **Block - 4 : Social Structure and Economic Development**

**Marks-20**

- Unit-1 : Social Structure as facilitator / Inhibitor to Development:
  - (i) Population, Labour Force, Urbanization and Communication.
  - (ii) Barriers to Economic development in India - Caste, Family, Religion, Belief and Practices and Illiteracy.
- Unit-2 Institutional Aspects of Economic Development:
  - (i) Education,

## (ii) Bureaucracy and Entrepreneurship.

**Essential Readings:**

- Borthakur, B.N. 2004 : Sociological Aspects of Economic Development, DVS Publishers, Guwahati, Assam
- Ness, G.D. (ed.) 1970 : The Sociology of Economic Development - A Reader, Harper & Raw, New York.
- Horowitz, I.L. 1966 : Three Worlds of Development - The Theory and Practice of International Stratification, Oxford University Press, London.
- Weber, M. 1969: The Protestant Ethic and the Spirit of Capitalism, George Allen and Unwin Ltd. London.
- Webster, A. 1984 : Introduction to the Sociology of Development, The Macmillan Press, London.
- Mehta, S.R. 1999 : Dynamics of Development, Gyan Publishing House, New Delhi.
- Datta, Amalan (1957): Essays on Economic Development. Bookland Pvt Ltd. Calcutta.
- Borthakur, B.N. 1994 : Communication and Village Development, Institute of Social Research and Applied Anthropology, Kolkata.
- Moore, W.E. 1965 : Social Change, Prentice Hall of India, Pvt. Ltd. New Delhi.
- Lerner, D 1958 : The Passing of Traditional Society, Free Press, Glencoe.
- Prasad, N. 1970 : Change Strategy in a Developing Society - India, Meenakshi Prakashan, Meerut.
- Smelser, N.J. 1965 : The Sociology of Economic Life, Prentice Hall of India Pvt. Ltd. New Delhi.
- Smelser, N. and Lipset, S.M. 1966 : Social Structure and Mobility in Economic Development, Routledge and Kegan Paul, London.
- Singh, Sheobahal(2010): Sociology of Economic Development, Rawat Publication, Bangalore.
- Saikia, J.P & Kalita, H: (2016) Rendering Gender, Supriya Books, New Delhi
- Harrison, David (1888): Sociology of Modernisation and Development, Routledge, New York

**Fourth Semester**  
**Course Soc : 401**  
**Political Sociology**  
**Credit 4- (Total Units-16)**

**Objectives:**

**In modernized societies the political system has become one of the most dominant components of the social structure. The objective of this course is to acquaint the students with the nature and functioning of political systems and the political processes. Besides these, this paper also aims at generating awareness among the students about their status and role as citizens.**

**Block - 1 : Key Issues****Marks-16**

- Unit-1 Emergence and Development of Political Sociology in the Western thought.  
 (Marx, Weber, Gramsci and Giddens),  
 Unit- 2 Political Ideologies, Democracy, Socialism and Communism.

**Block - 2 : Political Modernization and Political Mobilization****Marks-16**

- Unit- 1 Political Modernization-  
 (i)Political Development,  
 (ii)Political Leadership  
 Unit- 2 Political Mobilization-  
 (i)Political Socialization,  
 (ii)Role of Intellectuals and Political Elite.

**Block - 3 : Influence / Role of Social Phenomena on Indian Politics****Marks-16**

- Unit- 1 Caste,  
 Unit- 2 Religion,  
 Unit- 3 Language,  
 Unit- 4 Ethnicity.

**Block - 4 : Process of Nation building in India.****Marks-16**

- Unit- 1 Role of Political Parties.  
 Unit- 2 Role of emerging elites and leadership in Pre and Post-independent India.  
 Unit- 3 Democratisation of political Institutions.  
 Unit- 4 Secularisation

**Block - 5 : Globalization and emerging Political Process****Marks-16**

- Unit- 1 Idea of Global Governance.  
 Unit- 2 New Social movement.  
 Unit- 3 Multiculturalism.  
 Unit- 4 Globalisation & U.N.O.

**Essential Readings:**

- Coser Lewis A. (ed.) : Political Sociology, Selected Essays, Harper and Row, New York, 1966.
- Lipset S.M. : Political Man, Mercury Book, London, 1964.
- Ball Alan, R. : Modern Politics and Government, Macmillan, London, 1971.
- Nettle J.P. : Political Mobilization : A Sociological Analysis of Methods and Concepts, Feber and Feber Ltd. London, 1968.
- Parsons Talcot : Political and Social Structure, The Free Press, New York, 1969.
- Etzioni Amitai : The Active Society : A Theory of Social and Political Processes, The Free Press, New York, 1968.
- Samuel, P. Huntington : Political Order in Changing Societies, Yale University Press, New Haven, 1969.
- Allardt Erik & Rokkan Stein : Mass Politics : Studies in Political Sociology, The Free Press, New York, 1970.
- Claude E. Welch, Jr. (ed.) : Political Modernization : A Reader in Comparative Political Change, Wads Worth Publishing, Cp., California, 1967.
- Runciman W.G.: Social Science and Political Theory, Cambridge University Press, Cambridge, 1985.
- Goertzel Ted George : Political Society, Rand Ne Nally, Chicago, 1976.
- Strand Ulf Himmel (ed.) : From Crisis to Science Vol. I, From Political Sociology to Political Economy, Peter Hedstrom, pp.173-189, Sage Publication, New York, 1986.
- Dev Kushal (ed.) : Mapping Multiculturalism, Rawat Publication, 2003.

**Course Soc : 402**  
**Criminology and Penology**  
**Credit-4 ( Total Units -16)**

**Objectives:** The course is designed to acquaint the students with the basic concepts, schools, typology of crime and delinquency. The course also aims to acquaint the students about the philosophy and development of punishment and modern prison administration and correctional measures in India and abroad. The applied aspect of the course is to prepare the students for professional roles as correctional agents in agencies of Criminal Justice Administration particularly in police, prisons and correctional institutions.

**Block - 1 : Basic Concepts**

**Marks-20**

- Unit- 1 Nature and Scope of Criminology.
- Unit- 2 Deviance, Crime and Delinquency
- Unit- 3 Schools of Criminology.
- Unit- 4 Origin and Trend of Criminal Law

**Block - 2 : Typology of Crime**

**Marks-20**

- Unit- 1 Traditional Crime.
- Unit- 2 Organized Crime.
- Unit- 3 White Collar Crime.
- Unit- 4 Professional Crime

**Block - 3 : Theories of Criminology**

**Marks-20**

- Unit- 1 Individualistic Theories : Biological and Psychological;
- Unit- 2 Social Structure Theories : Economic and Subculture;
- Unit- 3 Social Process Theories : Differential Associations and Labeling;
- Unit- 4 Multiple Approach Theory : Containment

**Block - 4 : History and Philosophy of Punishment & Correctional system**

**Marks-20**

- Unit- 1 Basic Concept, History and Philosophy & Forms
- Unit- 2 Theories of punishment : Classical and Contemporary- Retribution, Deterrence, Reformatory and Cultural Consistency, Scapegoat and Social Structural
- Unit- 3 Development of Modern Prison system, Prison Community and Prison Social Organization, Prison Administration in India
- Unit- 4 Probation, Parole, Juvenile Court, and Juvenile Justice Act of 1986.

**Essential Readings:**

- Sutherland E.H. & Cressey D.R. : Principles of Criminology, The Times of India Press, Bombay, 1968.
- Reid Sue Tutus : Crime and Criminology, Holt Rinehart and Winston, New York, 1985.
- Gobbod.C. n : Society, Crime and Criminal Careers, Prentice Hall of India, New Delhi, 1978.
- Conklin J.E. : Criminology, Macmillan Publishing Co. Inc. New York, 1981.
- Quinney R. : Criminology, Analysis and Critique of Crime in America, Little Brown Co. Boston, 1975.
- Short J.F. Jr. : Gang Delinquency and Delinquent Subculture, Harper & Row, New York, 1968.
- Haskell M.R. & Yanlonsky L. : Crime and Delinquency, Rand Menally Colley Publishing Co. Chicago, 1974.
- Reckless W.C. : The Crime Problem, Vikills Feffer and Simon Pvt. Ltd. Bombay, 1967.
- Johnson E.H. : Crime, Correction and Society - Introduction to Criminology, The Dorsey Press, Homewood, Illinois, 1978.

- Rao S.V. : Dynamics of Crime Spatial and Socio-Economic Aspects of Crime in India, Indian Institute of Public Administration, 1981.
- Ray J. Guha : Prison and Society : A study of Indian Jail System, Gian Pub. House, New Delhi, 1980.
- Datir R.N. : Prison as a Social System, Dayster Publications, New Delhi, 1992.
- Ministry of Home : Reports of the All India Committee of Jail Reforms 1980-83, Govt., of India, New Delhi.

**Course Soc : 403**

**Industrial Sociology**

**Credit – 4( Total Units-15)**

**Objectives : It is an introductory course in Sociology of Industry to expose the Post- Graduate students of M.A. (Sociology) in Distance Education with the knowledge on industrial organization.**

**Block - 1 : Sociology of Industry**

**Marks-20**

Unit- 1 Nature and Growth of Industrial Sociology.

Unit- 2 Emergence of factory system.

Unit- 3 Features of Pre-Industrial, Industrial and Post-Industrial societies.

**Block - 2 : Industrial Organisation and Personal Management**

**Marks-20**

Unit-1 Concepts of organisation and theories of organisation.

Unit-2 Formal and Informal organisation, line and staff functions, organisational levels, supervisors, White collar and Blue-collar workers.

Unit -3 Industrial Bureaucracy : Meaning characteristics and significance.

Unit-4 Functions of Personnel Management : Planning, Organising, Motivating, Controlling, Managerial communication, Delegation and other Operative functions.

**Block - 3 : Industrial Relations**

**Marks-20**

Unit-1 Industrial labour problems in India (Labour migration, labour turnover, absenteeism) and development of Industrial policy in India.

Unit- 2 Industrial Disputes - Meaning, Forms, Causes and Settlement.

Unit- 3 Trade Union - Meaning, Objectives, Forms and Development and Problems of Trade Unions in India.

Unit- 4 Industrial Democracy and Workers Participation in Management in India.

**Block - 4 : Decision Making and Behavioural Dynamics :**

**Marks-20**

Unit- 1 Decision Making Techniques and Processes.

Unit-2 Management by objectives (MBO),

Unit-3 Leadership styles.

Unit- 4 Group Dynamics

**Essential Readings :**

- Etzioni Amitai ; Modern Organizations - Prentice Hall of India Private limited, New Delhi, 1976.
- Monpappa Arun, Mirza S. Saiyadain : Personnel Management, Tata McGraw Hill Publishing Company Ltd., New Delhi, 2001.
- Sharma Baldev, Raj : The Indian Industrial Worker - Issues in Perspective, Vikash Publishing House Pvt., Ltd. New Delhi, 1974-4
- Ghosh Biswanath : Personnel Management & Industrial Relations Its theory and Practice in India, the World Press Private Ltd., Calcutta, 1987.



- Miller Delbert C. & Form William H. : Industrial Sociology, The Sociology of Work Organization, Harper & Row Publishers, New York, 1967.
- Ramaswamy E.A. & Ramaswamy Uma : Industry and Labour - An Introduction, Delhi : Oxford University Press, 1981.
- Schneider Eugene V. : Industrial Sociology, Tata McGraw Hill Publishing Company Ltd, New Delhi, 1957.
- Flippe Edwin B. : Principles of Personnel Management, International Student Edition, McGraw Hill Kogaksha Ltd. New Delhi.
- Koontz Harold and C.O. Donnel - Principles of Management, McGraw Hill Book Co., New York, 1979.
- Miner John B. & Miner Mary Green : Personnel and Industrial Relations-A Managerial Approach - Macmillan Publishing Co. Inc. New York, 2000.
- Massie Joseph L. : Essentials of Management, Prentice Hall of India Private Limited, New Delhi, 2000.
- Boyce-Javan Martin : Personnel Management, Macdonald & Evans Ltd. London, 1977.
- Davis Keith : Organizational Behaviour - Human Behaviour at Work, Tata McGraw Hill Publishing Company Ltd., New Delhi, 2002.
- Nadkarni Lakshmi : Sociology of Industrial worker, Rawat Publications, New Delhi, 1998.
- Manuel, Castells : The Rise of the Network Society, Oxford Blackwell, 1996.
- Atwood Margaret & Dimmock Stuart : Personnel Management, Macmillan Press Ltd., London, 1989.
- Drucker Peter F. : Management : Tasks, Responsibilities, Practices, Heinemann Professional Publishing, London, 1988.
- Tripathi P.C. : Personnel Management and Industrial Relations, Sultan Chand & Sons, New Delhi.
- Dubin Robert (edited) : Handbook of Work, Organization & Society, Rand McNally College Publishing Company, Chicago, 1976.
- Dahrendorf Ralf, Class and class conflict in an Industrial Society, Routledge and Kegan Paul, London, 1972.
- Punekar S.D., Deodhar S.B. & Saraswati Sankaran : Labour Welfare, Trade Unionism and Industrial Relations, Himalayan Publishing House, Bombay, 2004.
- Parker S.R., Brown R.K., J. Child & Smith M.A. : The Sociology of Industry, George Allen & Unwin Ltd., London, 1972.

**Course- Soc : 404**  
**Educational Sociology**  
**Credit-4 (Total Units-16)**

**Objectives:**

**The aim of this course is to acquaint the students about education in relation to society. It throws light on the basic knowledge of major concepts and theories of sociology of education as well as it also provides knowledge of education in relation to Indian Situation starting from historical perspective to contemporary situation.**

**Block - 1 : Educational Sociology**

**Marks-20**

Unit-1 Nature and Field.

Unit-2 Relation between education and sociology.

Unit-3 Theories of sociology of education.

Unit-4 Types of education - Formal, informal and non-formal

**Block - 2 : Schools as a social system**

**Marks-20**

Unit-1 Elements.

Unit-2 Problems.

Unit-3 Classroom as a little society.

Unit-4 Functions of classroom

**Block - 3 : Socialization of the learners**

**Marks-20**

Unit-1 Pre-conditions for socialization.

Unit-2 Variations in Socialization.

Unit-3 Education as an agent of socialization.

Unit-4 Role of teacher in socialization.

**Block - 4 : Education and Society in India**

**Marks-20**

Unit-1 Development of Educational system in India - traditional to modern.

Unit-2 Education and modernization.

Unit-3 Education and social change.

Unit-4 Education and social control

**Essential Readings :**

- Brown F.J. : Educational Sociology; Prentice Hall Inc. New Jersey, 1945.
- Cole W.E. & Cox R.L.: Social Foundation of Education, American Book Co., New York, 1968.
- Ottway A.K.C. : Education and Society ; London Routledge & Kegan Paul, New York, 1972.
- Parelius Robert James Ann Parker Parelius : The Sociology of Education, Prentice Hall, INC Englewood Cliffs, 1982.
- Durkheim Emile: Education and Sociology, The Free Press, Glencoe, 1958.
- Musgrave P.W.: The Sociology of Education, Methuen Co. Ltd., London, 1967.
- Banks Olive : The Sociology of Education, London Batsford, 1971.
- Levinson David L., Cookson Peter W., Alan J.R. Sadovnit R. : Education and Sociology, Routledge, New York, London, 2002.
- Chitnis Suma and Altbach P.G. : Higher Education Reform in India-Experience and Perspectives, New Delhi, Sage, 1993.
- Halsey A.H. et.al. (ed.) Education, Economy and Society, Glencoe, Free Press 1961.
- Musgrove Frank : Family, Education and Society, Routledge & Kegan Paul Ltd. London, 1966.
- Sewak S.N. : Current Problems in Indian Education, Kitab Ghar, Lucknow, 1966.
- Agarwal S.P. & Agarwal J.C. : Women's Education in India, Concept Publishing Co. New Delhi, 1992.
- Jayaram N. : Sociology of Education in India, Rawat Publications, Jaipur, 1990.
- Mathur S.S. : A Sociological Approach to Indian Education, Vinod Pustak Mandir Agra, 1997 (10<sup>th</sup> ed)

**Faculty and support staff requirement:** There is only one full – time faculty for this programme and DODL will take the help and Services from the faculties of parent department and from the faculties of nearby Colleges.

**Instructional Delivery Mechanism:**

The instructional delivery mechanism and various media through which Study Inputs will be provided for this programme are Print Material (SLMs), Face to face and on-line (e-mail, Whatsapp, social media etc) tutorials, counselling, Video CDs/ DVDs, Radio Broadcast Gyanmalinee and Radio-counselling and Recorded lectures on the website.

**Identification of Media and Student Support Service:**

- **Research and Media Support Service**

The Research and Media Support Service wing has been established with a two fold objective to facilitate in house research Distance Education as well as supplement the distance learners with multi-media facilities. It includes information about the various events organized by the Directorate, assisting in administrative works, support with ICT tools etc.

Media Support Service provides supplementary support to the Distance Learners by the means of

**Radio Programmes GYAN -MALINEE** :On every Thursday at 8pm from All India Radio, Dibrugarh Centre, (M/W-521.1)

- **Multi-media CDs** :The Directorate has decided to provide its learners with course related

Video CDs, which may give a good support to the learning process of the learners.

- **Bulk SMS**: The Bulk SMS to the learners providing information regarding Counselling programmes, Personal Contact programmes, Assignments, Date and Results of Examination, other Administrative and Examination related information and so on. (if DO NOT DISTURB service is NOT activated in the contact numbers.)

- Updating all the necessary information in the website [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in)

- **Internet facility :**

All enrolled students of the Directorate can avail various facilities by logging in the website

- [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in) Some of the facilities, apart from the general information are -

- **Assignment questions.**

- **Important dates.**

- **Result.**

- **Already broadcasted Radio programmes.**

**Student Support Service:**

- **Study Materials**

The Directorate has prepared all the study materials in the Self learning material (SLM) format in coordination with the course writers and editors through the help of the workshops

sponsored by Distance Education Council, IGNOU, New Delhi

- **Personal Contact Programmes / Counselling Programmes**

Directorate conducts weekend counselling for its learners. These weekend counsellings can be availed by willing students on payment of minimal fees which will be notified by the directorate in the induction meeting The personal contact programmes for undergraduate courses shall be provided by the study centers and the coordinators will inform the schedules to the students enrolled at their respective study centers .

- **Induction Meet**

The DODL organizes one day Induction Meet for the learners before commencement of counselling Sessions of the first semester to give a clear map of the open and distance learning . It is a two way interactive meet .

- **Learners meet:**

The DODL organizes one day learners meet to address their different problems related to their process of learning.

- **University Week:**

It is the cultural and sports confluence of DODL learners and formal mode students of the university. It is organized once in a year.

**a) Procedure for admissions, curriculum transaction:**

**Admission procedure:**

- (i) Graduates (10 + 2 + 3 pattern) from any recognized university in the Major or Honours or General courses may apply for admission into a post-graduate course offered in Distance Education, D.U. and get themselves registered as learners of Distance Education, D.U.
- (ii) Provisionally admitted learners shall have to produce the transcript issued by the institution last attended or, the original mark sheet and other testimonials for verification at the Office of the DODL, D.U. as and when call for. On production of transcript/original mark sheet and other testimonials their admission to the DODL, D.U. will be confirmed latest by January.
- (iii) Students admitted shall be issued enrolment no.
- (iv) Notwithstanding any rules and procedures, a student may be refused admission if his/her past conduct in the educational institution last attended has not been satisfactory. A student who has been expelled/ rusticated or disqualified by the university may also be refused admission.
- (v) Admission of a student can be cancelled at any stage if it is found that he/she furnished incorrect information or has suppressed facts to secure admission. If any dispute arises out of such refusal/ cancellation, the decision of the Vice-chancellor, D.U. shall be final.
- (vi) The fees for the Post-Graduate Programmes in Distance Education shall be fixed by the university from time to time. Such fee shall include Admission Fee, Counseling Fee, Course Material Fee, Postal charges etc., payable in single installment at the time of admission. No cash deposition of fees shall be considered. Fees shall be accepted only in the form of a demand draft. Otherwise online payment mode of fees is highly recommended.
- (vii) The subject taken for M. A. / M. Com. programme may not necessarily be one of the subjects in his/her degree course. The candidate may be allowed to appear in any subject having relevant/ allied subject at the degree level.
- (viii) Mathematics in Degree level is a mandatory requirement for the learner who wants to take admission into the M.A. / M.Sc. Programme in Mathematics.
- (ix) A Master Degree holder under Distance Education may be allowed to appear at the Master Degree Examination again in a different programme or group if otherwise eligible. But two simultaneous degree of any kind in any mode of education in the same institution or /and in different institution shall not be allowed.
- (x) Medium of Instruction (course materials & counseling) and Examination for the courses shall be English except for M.A. in language subjects.
- (xi) Study materials with Guidelines will be supplied to a student within a month from the last date of admission.

Admission notices/advertisements for various programmes of the Directorate of Open and Distance Learning, Dibrugarh University, are published in leading newspapers, both English and Assamese, at least forty-five days prior to the date of admission. Other than the DODL website [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in), it is also notified in the Dibrugarh University website, [www.dibru.ac.in](http://www.dibru.ac.in). Candidates are to apply in the prescribed Application form only. Apart from the online admission process, the admission form along with the Prospectus for offline mode can be downloaded from the website [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in).

**(g) Admission Fees:**

Rs 2500 (Course Fee / Semester) + 900 (Counseling Fee / Semester) + 400 (Enrolment Fee for the entire period of study to be paid only at the time of first entry level) + 300 (Gymkhana Fee for the entire period of study to be paid only at the time of first entry level)\*

\* The Gymkhana Fee of Rs. 300/- is meant only for the learners of Dibrugarh University DODL Study Centre and the same goes to the University General Fund use explicitly for Student Activities.

**(h) Schedule of Programme:**

A Post-Graduate programme under Distance Education shall be conducted in four parts – (Semester I, Semester II, Semester III and Semester IV). The schedule for the Distance Education System shall be as shown below:

- (i) Odd Semesters (i.e., First and Third) : July to December (including End Semester Examinations)
- (ii) Even Semesters (i.e., Second and Fourth): January to July (including End Semester Examinations)

The total marks in a Post-Graduate Programme in Distance Education shall be as follows:

- (a) All the M.A. /M.Sc. / M.Com. Programmes of DODL, D.U. are of 2-years duration and the total credit ranges from 64-72.
- (b) Total marks for the two years M.A. /M.Sc. / M.Com. Programmes of DODL, D.U. shall be 1600 per programme.
- (c) 20% of the marks in each course shall be assessed through assignments
- (d) Rest 80% of the marks in each course (paper) shall be assessed through University End Semester Examination.
- The syllabus for each course (paper) shall be divided into block and units keeping in view the Credit value of the course. The norms for delivery of courses through distance mode are as under:

Credit Value of the course	Study input (hours)	Size of SLMs (unit)	No. of Counselling Sessions Theory (10% of total Study hours)	* Practical Session (hours)
2 credits	60	6 – 8	6	60
3 credits	90	10-12	9	90
4 credits	120	14 – 16	12	120
6 credits	180	20 – 24	18	180

\* Some Programmes have practical component also. Practicals are held at designated institutions/ study centres for which schedule is provided by the study centre. Attendance at practical is compulsory.

**(i) Assignment:**

- (i) Assignment shall be a compulsory component of the evaluation process.
- (ii) 20% of the each course (paper) shall be assessed through Assignments (Inter Assessment – In Semester Examination). Rest 80% of the marks in each course (paper) shall be assessed through University End Semester Examination
- (iii) The assignments to be submitted by a student would depend upon the Credit value of the Course, as follows:

Credit value of the course	No. of Assignments
2 Credits	1
3 credits	2
4 credits	2

6 credits	2
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- (iv) A candidate may submit assignments in the office of the Directorate of Distance Education or at the Study Centres within the stipulated time. Subsequently the study centres shall transmit all the assignments programme-wise and course-wise to the office of the DODL for assessment.
- (v) Marks secured on the assignments by the candidates, who appeared in the examinations but failed, shall be carried over to the next permissible chances.
- (vi) Marks secured on the assignments by the candidates who filled in the examination forms but did not appear in the examination, shall also be carried over the next permissible chances.
- (vii) A candidate who fails to submit the assignments as per clauses shall be awarded zero in the In Semester Examination in the course where assignment(s) is (are) not submitted.
- (viii) The Internal Assessment evaluation system for the Post Graduate Programme under DODL, Dibrugarh University shall also be assessed and evaluated in OMR (Optical Marks Response) Sheet through Multiple Choice Objective Type Questions and Answers by conducting mid-term examinations.

#### (j) Examination and Evaluation

- (i) Examination and Evaluation shall be done on a continuous basis
- (ii) There shall be 20% marks for internal assessment (In Semester) and 80% marks for End Semester Examination in each course during every Semester.
- (iii) There shall be no provision for re-evaluation of the answer – scripts of the End Semester Examinations. However, a candidate may apply for re-scrutiny.
- (iv) Internal assessment is assignment based or OMR based.
- (v) End Semester Examination:
  - (a) There shall be one End Semester Examination carrying 80% marks in each course of a Semester covering the entire syllabus prescribed for the course. The End Semester Examination is normally a written / laboratory-based examination.
  - (b) The Controller of Examinations shall then make necessary arrangements for notifying the dates of the End Semester Examinations and other procedures as per Dibrugarh University Rules (at least 20 days in advance) and the Academic Calendar / Date Sheet notified by the University / DODL, Dibrugarh University.
  - (c) The End Semester Examination for each course shall be of three hours duration.
  - (d) Setting of question papers, moderation of question papers, evaluation of answer scripts, scrutiny, tabulation of marks etc. and announcement of result of results, shall be governed by the Dibrugarh University Examination Ordinance 1972 (as emended up to date).
- (vi) Betterment Examination:
  - (a) A learner shall be entitled to take the “Betterment Examination” in any two theory courses of any of the four semesters after passing the Fourth Semester Examination only once. In this case the higher marks secured by the student shall be retained. The learner shall have to apply for betterment examination within one year after passing the Fourth Semester Examination.
  - (b) No betterment shall be allowed in the practical examination.
- (vii) A learner shall be declared as passed a course, provided he / she secures –
  - (a) at least 45% marks in each course (paper) in the End Semester Examination.
  - (b) at least 45% marks in the course (paper) in aggregate in the In-and End-Semester Examination.
- (viii) A learner shall be declared as passed a Semester, provided he / she passes all the courses of a Semester independently.
- (ix) The marks of In – Semester Examinations (i.e., Internal Assessment) obtained by the learner shall be carried over for declaring any result.
- (x) A learner who fails or does not appear in one or more courses of any End Semester Examinations up to Fourth Semester shall be provisionally promoted to the next higher Semester with the failed course(s) as carry over course(s). Such learners will be eligible to appear in the carry over course in the next regular examinations of those courses. However, the following restrictions shall be applicable:
 

**“A learner shall be entitled to avail the chance for a maximum of 5 consecutive years from the date of admission to clear a course or courses as well as the whole programme”.**
- (xi) If a learner clears the Fourth Semester Examination before clearing all the courses of the previous semesters, the result of such candidate shall be kept withheld and his / her results shall be announced only after he / she clears the courses of the previous semesters.
- (xii) A learner must pass all his / her Semester Examinations within 5 years from the date of admission to the First Semester of any programme.
- (xiii) A learner shall be declared to have passed the Fourth Semester M.A. / M. Sc. / M. Com. Degree Programme provided he / she has passed all the Semesters and in all the course separately.
- (xiv) The system of evaluation in DODL, D.U. is different from that of the Conventional Department of the University. It has a multi-tire system of evaluation:
  - (a) Self-assessment exercise within each unit of study.

- (b) Continuous evaluation mainly through assignments and/or Internal Assessment Examination through Multiple Choice Questions (MCQ) using OMR sheet.
- (c) Term-end examination.
- (d) Project work (Programme specific)

(xv) The marks secured by a student in the Assignment / IA – In Semester Examination (20% of each course) is added with the marks secured in that course in End Semester examination which is 80% of the course.

(xvi) The following scale of grading system shall be applied to indicate the performance of students in terms of letter grade and grade points as given below:

% of marks obtained in a course (Assignment + Term End)	Letter Grade	Grade Point	Qualitative Level
Above 95	O	10	Outstanding
85 – < 95	A <sup>+</sup>	9	Excellent
75 – < 85	A	8	Very Good
65 – < 75	B <sup>+</sup>	7	Good
55 – < 65	B	6	Above Average
50 – < 55	C	5	Average
45 – < 50	P	4	Pass
Below 45	F	0	Fail
0	Abs/I	0	Absent / Incomplete

(xvii) The letter Grade 'B<sup>+</sup>' and above shall be considered First Class; the Letter Grade (s) 'B' to 'P' shall be considered as Second Class. However, letter Grade 'B' shall be considered as Second Class with minimum of 55% marks.

(xviii) A learner is considered to have completed a course successfully and earned Letter Grade other than 'F' (Failed) or Abs / I (Absent / Incomplete).

(xix) If a learner secures 'F' Grade in a Course, he / she shall have to reappear in the Course in the next legitimate chance.

(xx) Result of the learners appeared in the 'Betterment' examination shall not be counted for the award of Prizes / Medals / Rank or Distinction.

(xxi) A learner shall have to pay a prescribed fee to appear in the 'Betterment' Examination fixed by the University from time to time.

#### (k) Conversion of Marks to Grades and Calculation of GPA (Grade Point Average)

In the Credit and Grade Point System, the assessment of individual courses in the concerned examinations will be on the basis of marks only, but the marks shall later be converted into Grade by some mechanism wherein the overall performance of the learners can be reflected after considering the Credit Points for any given course. However, the overall evaluation shall be designated in terms of Grade. There are some abbreviations used here that need understanding of each and every parameter involved in grade computation and the evaluation mechanism. The abbreviation and formulae used are as under:

##### Abbreviations and Formula's Used:

G : Grade  
 GP : Grade Points  
 C ; Credits  
 CP : Credit Points  
 CG : Credit X Grade (Product of Credit & Grades)  
 $\Sigma$  CG : Sum of Product of Credits & Grade Points  
 $\Sigma$  C : Sum of Credit Points.

$$GPA = \frac{\Sigma CG}{\Sigma C}$$

GPA : Grade Point Average shall be calculated for each Previous and Final Year Examination.

CGPA : Cumulative Grade Point Average shall be calculated for the entire programme by considering both Previous & Final Year taken together. It shall be calculate by the formula given below:

$$CGPA = \frac{\sum C_{ni} G_{ni}}{\sum C_{ni}}$$

Here,

$C_i$  = number of credit for the  $i^{th}$  course,

$G_i$  = grade point obtained in the  $i^{th}$  course,

$C_{ni}$  = number of credit if the  $i^{th}$  course  $n^{th}$  the year,

$G_{ni}$  = grade point of the  $i^{th}$  course of the  $n^{th}$  year

After calculating the GPA for an individual year and the CGPA for the entire Programme, the value can be matched with the grade in the Grade Point table in (xvi) above

\* GPA and CGPA shall be rounded off to 2 decimal points and reported to the Grade Card (Sheet) and Transcript.

**(l) Conversion Formula:**

Ordinarily the CGPA earned by a student may be converted to percentage of marks by following the formula mentioned as under:

$$\text{CGPA} \times 10 = \text{Percentage of Marks}$$

**(m) Grade Card / Sheet (Reporting of Learners Performance):**

The Grade Card / Sheet issued at the end of end term examination to each learner shall contain the following:

- a. The marks obtained by a learner in each course,
- b. The credit earned for each course registered for that year,
- c. The performance in each course indicated by the letter grade,
- d. The Grade Point Average (GPA),
- e. The cumulative Grade Point Average (CGPA) and
- f. Conversion formula.

**(n) Transcript:**

The University may issue consolidated Transcript on request to the Controller of Examinations which shall contain letter grades, grade points, GPA and CGPA mentioning the Course Title in detail, medium of instruction and programme duration.

**(o) Rules for admission of Unsuccessful and Absentee Candidates**

Unsuccessful learners fails to complete programme within the stipulated time may take re admission in the programme by paying fees fixed by the University from time to time.

**(p) General:**

For any matter not covered under these Regulations for the Directorate of Open and Distance Learning, the existing Dibrugarh University Rules, Ordinances and the Dibrugarh University Act, 1965 (as amended ), The Dibrugarh University Examination Ordinance, 1972 (as amended up to date) and the Dibrugarh University Distance Education Ordinance, 2006 (amended up to date) shall be applicable.

**Requirement of the laboratory support and Library Resources:**

The programme Sociology does not required laboratory support services. Regarding library resources a library was established in the Directorate of Open and Distance Learning in the year 2013 for the learners, teaching staff, administrative staff as well as the employees of the institution. Moreover there is a central library namely “ Lakshminath Bezboroa Granthagar” in the Dibrugarh University.

**Cost estimate of the Programme and Provisions:**

Keeping an eye on the number of applicants applying for the conventional Master Degree in English at Dibrugarh University and the yearly output of Degree learners with major in English from various affiliated Colleges under Dibrugarh University, it can be estimated that around six-seven hundred learners may seek admission to this Programme. If the cost estimate is calculated on 100 learners, the approximate cost is as follows:

Approximate earning (per 100 learners per annum)	= Rs. 720000/-
Development ( <i>SLM writing, editing, review, printing cost, recording, radio slots, remuneration, etc.</i> ):	= Rs. 450000/- (approx.)
Delivery ( <i>Postage, courier, door delivery, etc.</i> ):	= Rs. 20000/- (approx.)
Maintenance ( <i>Syllabus revision, SLM revision, Committee expenses, etc.</i> ):	= Rs. 10000/- (approx.)



Staff Payment and other Expenses	= Rs. 200000/- (approx.)
Total expenditure (approx.)	= Rs. 680000/-
Hence, total earning per 100 learners	= Rs. (720000.00 - 680000.00) = Rs. 40000.00

**Quality assurance mechanism and expected programme outcomes:**

Need assessment and tracer studies will be conducted for quality assurance in terms of the Centre for Internal Quality Assurance. Moreover, revision and updating of material by obtaining feedback from students and resource persons will be done. A high powered committee constituted with the Deans, HoDs, Subject Experts from the University Departments and the Directorate will also monitor the syllabus upgradation, curriculum design, and other pedagogical and academic aspects of all programmes of the Directorate of Open and Distance Learning, Dibrugarh University.

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## **PROGRAMME PROJECT REPORT**

**PROGRAMME – MASTER OF COMMERCE (M. COM: SEMESTER MODE)**  
**PREPARED BY CIQA, DODL, DIBRUGARH UNIVERSITY FOR THE ACADEMIC**  
**SESSION 2020-21 ONWARDS**

### **PRESENTED BEFORE**

- The Second Meeting of CIQA Committee on 29.11.2019 for onward process

*Forwarded under report to the forthcoming meeting of BoM and BoS to  
recommend to the statutory bodies*

### **PLACED BEFORE**

- The 150<sup>th</sup> Meeting of the Post Graduate Board on 05.12.2019

### **RECOMMENDED BY THE**

- The 150<sup>th</sup> Meeting of the Post Graduate Board to the 118<sup>th</sup> Meeting of Academic Council for Approval

**APPROVED BY THE HON'BLE VICE CHANCELLOR UNDER REPORT TO THE**  
**ACADEMIC COUNCIL**

## PROGRAMME PROJECT REPORT

### PROGRAMME- MASTER OF COMMERCE (M. COM): SEMESTER MODE

PREPARED BY CIQA, DODL DIBRUGARH UNIVERSITY FOR THE ACADEMIC SESSION  
2020-21 ONWARDS

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**Vision:** The vision of Directorate of Open and Distance Learning, Dibrugarh University is to reach the unreached and impart excellent education.

**Goals:** The goal of the Directorate is to:

- Provide opportunities of L3 education (Life Long Learning) to all section of the society for upgrading professional or educational qualification.
- Provide education to those persons who cannot attend college or Universities due to various circumstances.
- Act as an Education Resource Centre for all persons deprived of Higher Education.

**Mission:** The core mission of the Directorate is to empower all those persons who cannot attend college of Universities due to various circumstances with A3 (Anyone, Anytime, Anywhere) Higher Education. The Directorate started its mission with introduction of Postgraduate Programmes in Commerce in 2001. Bachelor of Commerce (B. Com) was started from academic session 2012-13 with due recognition from regulatory authority at that time. These programmes were introduced in order to create opportunities to those students who would not be able to enrol themselves to those programmes in conventional mode due to various reasons. The mission of the Directorate is to create promotional opportunities for working class, housewives and elderly people whose opportunity for higher education was disrupted for some reason or the other. The Directorate has the mission to provide education to remote areas of its jurisdiction where people lack quality education by introducing M. Com and B.Com degrees. This in-turn facilitate them get skills vital for sustaining in the changing business scenarios. Therefore, the Mission of the Directorate is summarized in the following points:

- Empowering students with all the knowledge and guidance that they need to become worthy management professionals.
- Learning through Doing.
- Imparting value framework that is global yet national.
- Providing for holistic and value based development of learners which ultimately enhances their employability.
- To carve a niche for ourselves in the specialized field of commerce and management.
- Provide a nurturing and motivating environment to exploit the full potential of the learners.
- Grooming the learners to become a truly global personality well equipped to deal with the modern world and its challenges.
- Enable holistic development of personality with a humane and global outlook

**Objectives:** In order to fulfill its stated vision, mission and motto the Directorate is committed to:

- **Academic excellence:** Our primary objective is to enable every student to cope up with the latest developments in contemporary, national and global level through effective transaction of the curricular and co-curricular aspects.
- **Professional Excellence:** The Directorate motivates molds and prepares the students for positions of leadership in business organizations at the local, national and international levels. The capacity building of our learners to assume productive roles are emphasized during course and to inculcate the habit of lifelong learning. The ultimate objective is to

produce commerce graduates who possess the skills, problem solving tools and professionalism essential for being successful.

- **Total commitment:** The Directorate is focused on the all-round development of the learners' personality through proper education and exposure to the vast treasure of knowledge (through library); sports facilities and socialization (through a platform called Assemblage).
- **Holistic Development:** The Directorate provides exposure to learners in the latest trends in relevant branches of knowledge, competence and creativity to face global challenges. To achieve innovations in teaching-learning, research and extension activities to realize national goals, including the adoption and promotion of knowledge output for human development.

**Nature of Prospective Target Group of Learners:** Learning is the process of acquiring or modifying knowledge, skills, and values by study. Learner is the person who learns or takes up knowledge or beliefs. The learner uses the platform to get new competences. The target learners of DODL will be the students of age group eighteen and above with minimum qualification of Higher Secondary who have discontinued their study due to some reasons or continuing their education but want to go for higher education through open and distance mode of education. Further, other students/persons who are interested in the courses to enhance their skills can also benefit from the course. The proposed M. Com course is targeted for rural areas. In India, rural areas comprise of major population. Mostly these areas lack resources in access to health care, access to quality education, access to technology, transportation and communication. In these areas, it is observed that mostly students discontinue their study after secondary school. There are certain factors that have an effect on dropout ratio of students including low household income, family size, lack of good education environment, lack of guidance, non-availability of qualified human resource and resources. It is also inferred that in rural areas children often leave study to become skilled workers so that they can contribute to their household income. They start doing low paying jobs, mostly laborers, helpers or attendants. The goal is to develop their interest in latest educational technology and equip them with proper skills. This may increase their ability to learn, experience and master latest technology and technological applications. By utilizing their basic education and learning skills they can find better jobs or start their own small business like shops, mastering accounting, entrepreneurship, continue higher studies etc. By doing so, they can contribute well in their income and raise their living standards and consequently contributing in the overall economy. The target learners will be from the rural or interior areas of Upper Assam. The following are the target factors and medium for the M.Com course at DODL, DU:

Target Factors	Medium
Target Community	Rural/Urban
Target Area	PG
Target Audience	Drop out students, Unemployed, Women
Age Group	15 years and above
Delivery System	Self Learning Materials, Counseling class, CDs, Radio

Currently there are 98 study centers under DODL, DU spread across Upper Assam and North Bank. The following table shows a year on breakup of student enrollment at DODL, DU from 2013-14 till date.

Academic Year	Various Programme	Total Number of Students
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2013-14	Degree-16021 Diploma-526 Certificate-220	<b>16767</b>
2014-15	Degree-16092 Diploma-504 Certificate-266	<b>16862</b>
2015-16	Degree-144141 Diploma-526 Certificate--	<b>14940</b>
2016-17	Degree-13804 Diploma-321 Certificate---	<b>14125</b>
2017-18	Degree-13768 Diploma-312 Certificate---	<b>14080</b>
2018-19	Degree-10734 Diploma-227 Certificate---	<b>10961</b>

The above scenario is due to the fact that we follow a correspondence distance learning model by giving the learners set of self learning material to study. There are counseling classes for a period of two to three months. In fact in remote areas the counseling classes are not held and therefore there is a disadvantage to the learners in those remote areas.

We propose to provide video lectures and soft copy of self-learning material can be accessed via internet. If there is no provision of internet in those remote areas we propose to send CDs which the learners can access in any computers.

Based on the historical data of enrollment of learners at DODL, DU, as given in the table above for various degree, diploma, certificate programme, we made a tentative projection for coming 5 years at the rate of 23% coverage of learners at DODL, DU. The following table gives the projection of next 5 years at a rate of 23% growth.

<b>Forthcoming Academic Sessions</b>	<b>Various Programme</b>	<b>No. of Students (Estimated)</b>
2019-20	PG, UG, Voc, Diploma, Certificate	<b>17000</b>
2020-21	PG, UG, Voc, Diploma, Certificate	<b>20910</b>
2021-22	PG, UG, Voc, Diploma, Certificate	<b>25719</b>
2022-23	PG, UG, Voc, Diploma, Certificate	<b>31634</b>
2023-24	PG, UG, Voc, Diploma, Certificate	<b>38909</b>

**Appropriateness of M. Com Course to ODL Learners' to Acquire Specific Skills and Competence:**

**Programme Educational Objectives:**

- After completion of the programme learners will have an in-depth knowledge of Accounting, Finance, Taxation and Business laws.
- The learners will have basic understanding in Business Mathematics, Economics, Statistics, Operations Research and Management.
- The programme prepares the students to build competencies for research activities.
- The programme aims to equip the students with professional skills, inter personal skills and entrepreneurial qualities.
- To inculcate ethical values, team work, leadership and managerial skills.

**Programme Outcomes:**

- The learners will develop an ability to apply knowledge acquired in problem solving
- The learners will be ready for employment in functional areas like Accounting, Taxation, Banking, Insurance and Corporate Law
- Learners will be able to pursue their career in teaching and research
- Learners will exhibit inclination towards pursuing professional courses such as CA/ CS/ CMA/CFA etc.
- Learners will be able to handle computer based software in areas of Accounting, Taxation, and Banking.
- Ability to work in teams with enhanced communication and inter-personal skills
- Ability to start entrepreneurial activities
- An inclination towards lifelong learning and acquiring contemporary knowledge
- An informed, aware and active citizen

**Instructional Design:** Instructional design is a systematic approach to facilitating learning by

- identifying the purposes of the learning, especially learning objectives;
- developing the learning experiences necessary to achieve those purposes;
- evaluating the effectiveness of those learning experiences in achieving the purposes; and
- improving the learning experiences, in the light of evaluation, so as to better achieve the purposes.

The preliminary considerations taken into account for considering instructional design are:

- the likely abilities of the learners;
- the learners' level of education;
- their present level of knowledge;
- their social and cultural background; and
- their motivation and interest.

For the purpose we select subject specialists as Course Writers from various universities and colleges who have sufficient years of experience and teaching and research. To train them we invite Experts from STRIDE IGNOU and conduct workshops for 7 (seven) days or more and help them develop the Self-Learning Materials (SLMs). Course Writers are assigned the job two (2) months prior to the workshop with guide book for preparing SLM in CDs. Their progress and updates for the assigned job are monitored through telephonic conversation. Resource Persons that are invited to the Workshop, provide guidance to the Course Writers for refining their materials that is already written. For the SLM to be effective, the Course Writers writes the objective of the lesson and share in a logical order. A lesson outline is as follows:

**A. Introduction**

1. Review previous learning
2. provide motivation, making this
  - a. brief
  - b. to the point
  - c. stimulating (for example, posing a question)

**B. Main body of lesson**

1. provide information
2. use small steps
3. break frequently for questions and comments
4. use teaching aids
  - a. to illustrate
  - b. to simplify
  - c. to provide variation
  - d. to provide opportunities for practice and feedback
  - e. to summarize
  - f. to provide opportunities for future reference
5. make contingency plans for
  - a. what to do with any extra time
  - b. which items are essential if time becomes short

**C. Conclusion**

1. deal with difficult points
2. summarize
3. mention the content and relevance of next lesson
4. test
5. references

The instructional design at DODL, DU follows ‘objectivist’ approaches to, which are concerned primarily with the transmission of knowledge and with facilitating the process of learning. Course materials in DODL, DU M. Com programme is provided by creating original material in the form of SLMs and Video CDs. Creation strategies for providing course materials in DODL for M. Com course is given in the box.

Strategy	Benefits	Challenges
<b>creating original materials</b>	<ul style="list-style-type: none"> <li>• to fit target audience more closely</li> <li>• more likely to be culturally relevant</li> <li>• up-to-date</li> <li>• unique</li> <li>• build local capacity and self- confidence</li> <li>• be easier to modify if necessary</li> </ul>	<ul style="list-style-type: none"> <li>• the most expensive option</li> <li>• lead-in time is longer</li> <li>• may put high stress on developers</li> <li>• amount of work may be underestimated</li> <li>• needs trained and skilled staff</li> <li>• need to build up capacity and expertise</li> </ul>

**Analytical Approach to Curriculum Content:** The main approach that DODL, DU employs in curriculum content development is *analysis by objectives* i.e. stating as clearly and unambiguously as possible what learners should be able to do as a result of working through the programme. The pedagogical structure of curriculum content of M. Com course at DODL, DU consist of:

- pre-prepared learning materials (SLMs);
- are structured around the individual learner working through the material;
- use self-assessment and expert assessment techniques.

**Duration of the Programme and Detailed Syllabi:**

Name of the Programme	Duration
M. Com (Previous and Final)	2 years (4 semesters)

Programme	Course No. and Name	Blocks
M. Com (1 <sup>st</sup> Semester)	COM: 101- Business Environment	<p>Block 1: Introduction to Business Environment Business Environment – Basics, Objective, Introduction, Concept of Business Environment Internal Environment, External Environment, Significance of Business Environment, Indian Business Environment, Government and Business. Indian Economy: An Overview, Objectives, Introduction, State of Indian Economy Economics Indicators, External Indicators, Foreign investments &amp; India. The Progressive features of Indian Economy: Sectoral overview, Indian Financial System, Development Strategy in India: India's approach in the new millennium, the present day world, Indian public policies.</p> <p>Block 2: Government Controls and MNC Controls and Industrial Policies, Objective, Introduction, Controls under Planning, Price Controls, Industrial Policy. MNCs and MRTP Act Objectives, Introduction, Scenario of MNC's in India, MRTP Act, Restrictive Trade Practices, Unfair Trade Practices, Powers of the Commission, Remedies under the Act.</p> <p>Block 3: Policies and Mobilization of Resources Monetary and Price in Developing Country Objectives, introduction, Monetary Policy-meaning, Indian Monetary Policy, Features, Monetary Growth, Credit Policy, Price Policy in developing economy. Mobilization of Resources, Objectives, Introduction, Mobilization of Resources through Fiscal Policy, Fiscal Policy-meaning, Types of Fiscal Policy, Expenditure and Taxation, Borrowing, economic &amp; monetary effects. Indian Scenario Mobilization of resources through taxation, Containment of current expenditure, Consequences of public borrowing, Public Enterprise savings, Central Government Public Enterprise, state Government Public Enterprise, Household saving behaviors, Changing Structure of Private Savings, Policy incentives for Private Savings.</p> <p>Block 4: Consumer Protection, Capital Market and Foreign Trade Consumers Protection: Objectives, Introduction, Consumer Protection, Introduction and Definition, Objects of Consumers Protection Act, definition of different terms under the Act, Redressal Machinery under the Act,</p>



		<p>Important Cases, Consumer rights and responsibilities, Indian Capital Market</p> <p>Objectives, Introduction, Indian Capital Market-evaluation, Indian Stock Exchange, Institutional Investors, Other issues. Direction of Indian Foreign Trade Objectives, Introduction, trends in India's Foreign Trade, Trend in India's Export, Trend in India's Import, India's Foreign Trade, Recent Trends, Foreign Exchange Management Act, regulation and Management of foreign Exchange.</p> <p>Block 5: Structural Reforms and IT Revolution</p> <p>Structural Reforms, Objectives, Introduction, Structural reforms in Indian economy, Impact on Terms of Trade and Prices, Impact on Household Income, Poverty and Food Security, India's Foreign Policy (Globalization and Trade Promotion). IT Revolution Objectives, Introduction, globalization, Indian stand in terms of Global Integration, Digital Cash, E-Commerce, Impact of Globalization WTO etc.</p>
	COM: 102- Organization Behaviour and Theory-I	<p>Block 1: Basic Organizational Concept</p> <p>Structuring Organisational relationship - authority, power and status relationship. Departmentation - On choosing a basic for Departmentation, Span of Management. Centralisation and Decentralisation, Delegation of Authority, Bureaucratisation of Organisation and Unanticipated consequences thereof.</p> <p>Block 2: Organization Structure</p> <p>Concept of Determinants of Organisation Behaviour. Psychological foundation of Human behaviour - Perception, Learning, Attitude and personality. Individual and Group behaviour, Management assumption about people - Theory X and theory Y. Chris Argyris, Behavioural Analysis and Transactional Analysis.</p>
	COM: 103- Cost and Management Accounting	<p>Block 1: Cost Accountancy, Activity Based Costing and Cost Reduction</p> <p>Cost Accountancy: Objectives, Introduction, Definition of Cost, Costing and Cost Accounting; Nature of Cost Accounting, Objective of Cost accounting, Importance of Cost Accounting, Evolution of Cost Accounting System and Cost Concepts. Activity Based Costing Objectives, Weaknesses of Conventional Costing, Meaning of Activity Based Costing, Stages and Flow of Costs in Activity Based Costing, Cost Analysis under Activity Based Costing, Differences between Activity Based Costing and Conventional Costing, Scope of Activity Based Costing, Benefits and Limitations of Activity Based Costing, Installation of Activity Based Costing. Cost Reduction</p>

		<p>Objectives, Meaning of Cost Reduction, Cost Control and Cost Reduction, Objectives of Cost Reduction, principles of Cost Reduction and Control, scope and Areas of Cost Control and Cost Reduction, Distinction between Cost Control and Cost Reduction, Techniques to Control and Reduce Costs, Advantages of Cost Reduction, Dangers of Cost Reduction Efforts, Cost Reduction-its Organization.</p> <p>Block 2: Operating Costing, Process Costing and Reconciliation of Cost and Financial Accounts</p> <p>Operating Costing: Objectives, Concept of Operating Costing, Transport Costing-Objectives, Composition of Costs, Collection of Costs, Ascertainment of Costs. Process Costing: Objectives, Process Costing, Introduction, Applicability of Process Costing, Essential Characteristics of Process Costing, Distinction between job Costing and Process Costing, General principles of Process Costing.</p> <p>Normal Process Loss: Abnormal Process Loss: Abnormal Gain/Effectiveness: Inter-Process Profits: By-product and its accounting treatment: Joint products and their accounting treatment: Reconciliation of Cost and Financial Accounts: Objectives, Introduction, Objectives of Reconciliation, Need for Reconciliation, Reasons for disagreement between Cost Accounts and Financial Accounts, Differing Treatment of items, Effects of various items on profit, procedure of Reconciliation.</p> <p>Block 3: Analysis and Interpretation of Accounts; Study of Financial Statements; Techniques of Financial Statement Analysis</p> <p>Analysis and Interpretation of Accounts</p> <p>Objectives, Meaning of Financial statement analysis, Objectives of Financial Statement analysis, Interpretation of Financial statements, Practices interested in Financial statement Analysis. Analysis and Interpretation of Accounts. Objectives, Meaning of Financial Statement Analysis, Interpretation of Financial Statements, Parties interested in Financial Statements, Limitations of Financial Statement Analysis, Procedure for interpretation. Study of Financial Statements; Techniques of Financial Statement Analysis. Objectives, Techniques of Financial Statement Analysis-Horizontal Analysis, Vertical Analysis, Trend Analysis, Ratio-Analysis, Comparative Financial Statements, Common-size statements.</p> <p>Block 4: Analysis and Interpretation of Financial Data; Ratio Analysis</p> <p>Analysis and Interpretation of Financial Data Objectives, Meaning, Purposes and need for Ratio Analysis, Advantages of Ratio Analysis, Limitations of Ratio</p>
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	COM: 104-Entrepreneurship Development	<p>Block 1: Introduction to Entrepreneur and Entrepreneurship</p> <p>Entrepreneur and Entrepreneurship This unit explains the definition of entrepreneur and entrepreneurship and the literature description of entrepreneur and entrepreneurship. Entrepreneurs in small firms. Deals with what is an entrepreneur and entrepreneurs in practice in small firms. Differences: Shows the differences between entrepreneur and enterprise and entrepreneurs and managers.</p> <p>Block 2: Entrepreneurial Qualities and Traits, Competencies, Views and Theories</p> <p>Qualities, Traits and Competencies: Deals with the qualities and traits of an entrepreneur and the entrepreneurial competencies of an entrepreneur. Views on Entrepreneurship: Explain the different views on entrepreneurship put forwarded by Schumpeter, Walker and Drucker. Entrepreneurial Theories This unit discusses the theories of entrepreneurial supply and the theory of invisible cost or the theory of transaction cost.</p> <p>Block 3: Opportunity Analysis</p> <p>Business Opportunities: Highlights on identifying and evaluating business opportunities, project identification and classification, funds for starting a business and how to approach a leading institution for a term loan. Institutions assisting entrepreneurs. Various institutions assisting entrepreneurs are put forwarded in this unit, such as the national small industries cooperation Ltd; small industries development bank of India; national bank for agriculture and rural development, national institute of small industry extension training etc. Marketing: This unit covers the multiple aspects of distribution marketing decision-making</p>

		<p>in large companies, marketing/entrepreneurial decision-making in small firms and marketing practices in small firms.</p> <p>Block 4: Entrepreneurship Development Programmes Entrepreneurship Development Programme Deals with introduction of EDPs and module of existing EDPs. Content and Coverage of EDPs: Deals with content and process of existing EDPs and the coverage of the potential target group. Strategies and Approaches Explains the nature of enterprising activities and the various strategies and approaches for EDPs.</p> <p>Block 5: Entrepreneurship Development with Special Reference to North-East Entrepreneurship and Economic Development Covering entrepreneurship and economic development; factors impeding the growth of entrepreneurship; how to encourage entrepreneurship, Suggested readings; Various Reports relating to North-East. Reference of Entrepreneurship to the North East. Brief profile of North East Social and institutional issues, entrepreneurship development and EDPs, thrust areas, prospects, possible SSI.</p>
M. Com (2 <sup>nd</sup> Semester)	COM: 201- Organization Behaviour and Theory-II	<p>Block 1: Organizational Behaviour Concept of Determinants of Organisation Behaviour. Psychological foundation of Human behaviour - Perception, Learning, Attitude and personality. Individual and Group behaviour, Management assumption about people - Theory X and theory Y. Chris Argyris, Behavioural Analysis and Transactional Analysis.</p> <p>Block 2: Motivation and Directing of Organizational Behaviour Motivation - Need Hierarchy theory, Two factor theory, Expectancy model. Controlling and Behavioural dimensions of control. Leadership styles, Leadership effectiveness.</p> <p>Block 3: Organizational Effectiveness and Development Organisational Effectiveness - Concept and approaches. Communication and Making Communication effective. Management of change and Organisational Development.</p>
	COM: 202- Managerial Economics	<p>Block 1: Fundamentals of Managerial Economics Objectives, Introduction: Concept of Management, economics and Managerial Economics; Nature and Scope of Managerial Economics: Fundamental nature of Managerial Economics, Scope of Managerial Economics, Management Decisions and Economics; Objectives of a firm: Profit Maximisation Theory, Growth Maximisation</p>

		<p>Theory, Baumols' Sales or revenue Maximisation Theory - Static Model, Economists: Role in Business decisions, Responsibilities of Managerial Economists; Fundamental Economic Concepts Concept of Scarcity, Incremental Principle, Opportunity costs, Discounting concept, equi-Marginal concept.</p> <p>Block 2: Demand Analysis and Elasticity of Demand Objectives, Introduction, definition of Demand, Law of Demand, Demand, demand Schedule and Demand Curve, Individual Demand and Market Demand, Individual Demand Determinants, Determinants of Market Demand, demand Demand Elasticity, Different types of elasticity of demand.</p> <p>Block 3: Demand Estimation and Forecasting Objectives, Introduction: Demand Forecasting-Meaning, Scope of demand forecasting, steps involved in demand forecasting, Demand Estimation: Demand Estimation for major consumer durable, demand Estimation for Non-durable consumer goods, Demand Estimation for Capital (or producer's) goods. Demand forecasting Techniques, Criteria for the choice of a good forecasting method.</p> <p>Block 4: Price Determination and Price Discrimination Objectives, Introduction: Concept of Price determination, Price determination in practices, Method of Price determination in practice. Competition oriented pricing, Pricing based on other Economic Consideration; Pricing in large enterprise and small business; Pricing of multiple products; Price discrimination: Meaning of price discrimination, Types of price discrimination, Degree of price discrimination, when price discrimination is possible, Price discrimination is not possible under perfect competition, Price discrimination and monopolistic competition; International price discrimination and dumping; Transfer pricing.</p> <p>Block 5: Business Cycle and Inflation Business Cycle: Objectives, Introduction, Meaning of Business Cycle, Features of Business Cycle, Phases of Business Cycle-Recovery, Prosperity, Recession and Depression, Factors responsible for Business Cycle. Evil effects of Business Cycle, General measures to control Business Cycle Monetary Policy, fiscal policy. Inflation: Objectives, Introduction, Meaning of Inflation, Types of Inflation, Demand Pull Inflation, Cost Push Inflation.</p>
	COM: 203- Financial Management-I	<p>Block 1: Introduction to Financial Management The New Concept of Finance. Evolution of Financial Management: Traditional Concept of Finance, Transition to the New Approach, Social Responsibility. Assumptions</p>

		<p>Underlying the Financial Objectives : Assumptions Underlying the Financial Objectives.</p> <p>Block 2: Financial Statements Financial Statements: Analytical Process, Basic Procedures, Comparative Analysis, Common Size Analysis. Ratio Analysis: Types of Ratios: Liquidity Ratio, Profitability Ratio, Financial Leverage Ratios, Activity Ratios, Dupont System of Financial Analysis.</p>
	COM: 204- Strategic Management -I	<p>Block 1: Introduction to Strategic Management Introduction to Management &amp; Strategy, Relevance of strategic management for an Organization, The SM Process, Strategic Management in India, Explanation of a Case let.</p> <p>Block 2: Environment and Strategy Organization Environment (Characteristics And Dimensions), External Environment, Political Environment, Economic Environment, Technological Environment, Socio-cultural Environment, Environmental Scanning, Synthesis of External &amp; Internal Factors.</p> <p>Block 3: Strategic Analysis: Models &amp; Techniques Introduction, Forecasting Models, Strategic Models, Economic Models, Simulation Models, Decision Support Models, Sensitivity Analysis, Porter's Five Forces Theory, Portfolio Evaluation, McKinsey's 7S Framework, Contemporary Strategic Thoughts (Blue Ocean and Red Ocean Strategies)</p>
M. Com (3 <sup>rd</sup> Semester)	COM: 301 Research Methodology	<p>Block 1: Business Research Basics Processing of Data, an overview of Diagrammatic &amp; Graphic Presentation, Measure of Central Tendency Measure of variation, skewness, Correlation &amp; Simple Regression (two variable case). Time Series Analysis and Index Numbers</p> <p>Block 2: Descriptive Statistics Probability and Probability Rules - Classical, Relative, Subjective, Addition &amp; Multiplication Probability Models Conditional Probability and Baye's Theorem Probability Distribution - Binominal, Poison &amp; Normal, their characteristics &amp; applications, Statistical Decision Theory</p>
	COM: 302- Financial Management- II	<p>Block 1: Introduction to Long-Term Finance Ordinary Shares : Ordinary Shares, Reporting of Ordinary Shares, Features of Ordinary Shares. Equity Financing: Pros and Cons of Equity Financing, Public Issue of Equity, Rights Issue of Equity Shares, Pros and Cons of Rights Issue. Debentures : Types of Debentures, Features, Pros and Cons. Preference Shares : Features, Pros and</p>

		<p>Cons. Term Loans : Features of Term Loans.</p> <p>Block 2: Short-Term Financing</p> <p>Trade Credit: Credit Terms, Stretching Account Payable.</p> <p>Accrued Expenses and Deferred Income: Accrued Expenses, Deferred Income. Commercial Paper Bank Credit Arrangement: Single-Payment Loan, Line of Credit, Committed versus, Uncommitted Credit Lines, Compensation for Credit Lines, Revolving Credit Agreement, Term Loan, Letter of Credit. Unsecured Borrowing and Secured Borrowing: Unsecured Borrowing, Secured Borrowing. Commercial and Captive Finance Companies: Captive Finance Companies.</p> <p>Block 3: Financial Derivatives</p> <p>Basic Financial Derivative: Options Futures Swap Participants and Functions. Global Derivatives Market: Global Derivatives Recent Trends Exchange-traded vs. OTC Market. Emerging Derivatives Market Structure in India: Market Structure, Forward Contracts.</p>
	COM: 303-Marketing Management	<p>Block 1: Foundations of Marketing</p> <p>Conceptual Framework: Marketing Concept &amp; Function: Tasks and Philosophies of Marketing Management. Systems and Mix : Marketing System and Marketing Mix, Market vs. Marketing.</p> <p>Block 2: Consumer and Marketing Information</p> <p>Consumer: Consumer Behaviour: Motives, Theories, Consumer Decision Making Process, Consumerism.</p> <p>Marketing information: Marketing Information &amp; Research - necessity, procedures and approaches.</p> <p>Block 3: Product &amp; Pricing</p> <p>Product Decisions : Product Concept, Product line and Product-mix, New Product Development, Branding, Packaging, Product Life Cycle. Price Decisions: Objectives, Importance, Price-setting in practice &amp; determinants.</p> <p>Block 4: Distribution &amp; Production</p> <p>Distribution Decisions : Distribution Channels and Physical Distribution Decision, Channel Design, Channel Selection, Logistics of distribution. Promotion Decisions: Objectives importance, communication process, communication programmes &amp; methods.</p> <p>Block 5: Marketing Strategic Decisions &amp; Types</p> <p>Strategies Decision: Marketing Environment Analysis, Strategies Decision Making - Approaches, Analysis &amp; Choice, Market Segmentation and Selection. Types of Marketing: Social Marketing, Service Marketing, International Marketing, Rural Marketing, Mass Marketing, Relationship Marketing, e-marketing.</p>
	COM: 304-	Block 1: Strategy Formulation: Choice and Analysis

	Strategic Management -II	<p>Steps for Making Strategic Choice, Strategy Formulation, Tools and Techniques, Decision Stages, Subjective Factors in Strategic Choice, Diversification, Integration, Merger, Takeover and Joint Strategies, Corporate Turnaround, Disinvestment and Liquidation, Functional Strategies, Generic Competitive Strategies – Cost Leadership, Differentiation Focus, Value Chain Analysis, Benchmarking</p> <p>Block 2: Strategy Implementation</p> <p>Nature of Strategy Implementation, Models of Strategic Implementation, Business Process Management, Resource Allocation, Reverse Engineering, Strategy Evaluation, Feedback Control System</p>
M. Com (4 <sup>th</sup> Semester)	COM: 401- Statistical Analysis	<p>Block 1: Probability and Theoretical Distribution</p> <p>Probability and Probability Rules - Classical, Relative, Subjective, Addition &amp; Multiplication Probability Models</p> <p>Conditional Probability and Baye's Theorem, Probability Distribution - Binominal, Poison &amp; Normal, their characteristics &amp; applications, Statistical Decision Theory</p> <p>Block 2: Statistical Inference and Testing</p> <p>Statistical Estimation &amp; Testing, Point &amp; Interval estimation of population mean, Proportion &amp; variance, Statistical Testing - hypotheses and errors, sample size determination, Large &amp; Small Sampling Tests. (Parametric)</p> <p>Block 3: Non-Parametric Tests &amp; Reporting</p> <p>Application of Non-Parametric Tests- Comparison with Parametric Tests, Rank Correlation Test, Chi-square Tests, Sign Test, Median Test, Wilcoxon Signed Test, Kruskal-Walle's Tests, Interpretation of Statistical Data, Report-writing-steps, problems, content, precaution, utility characteristics</p>
	COM: 402 (A)- Human Resource Management	<p>Block 1: Human Resource Management – Concepts and Role of HRM</p> <p>Introduction to HRM - Personnel Managemet: Human Resource Management - Evaluation of Human Resource Management, Human Resource Management and Personnel Management. Functions of Personnel Mangement: Functions and Objectives of Human Resource Management, The Changing Role of Human Resource Management.</p> <p>Block 2: Human Resource Management Planning and Development</p> <p>Manpower Planning and HRD : Manpower Planning, Recruitment and Selection - Human Resource Development. Training and Development: Employee Training - Principles and techniques, Executive Development - Principles and Techniques, Career</p>



		<p>development.</p> <p>Block 3: Wage Payment and Performance Appraisal Systems of Wage Payments: Wages and Salary Administration - Systems of wage payments/incentives-monetary and non-monetary. Performance appraisal: Performance appraisal - Promotion and transfer.</p> <p>Block 4: Employee Motivation and Communication Motivating Employee: Employee morale and motivation - Management Technique designed to increase motivation, job satisfaction. Communicating Employee: Communication and Counseling.</p> <p>Block 5: Personnel Control and Policies Personnel Control : Personnel Control - Personnel records and statistics, Personnel research. Personnel Policies: Audit of Personnel and programmes.</p>
	COM: 403 (A)- Industrial Relation	<p>Block 1: Industrial Relations – Basics Introduction to Industrial Relation: Objective, Introduction, Industrial Relation Concept, Approaches to Industrial Relation, Importance &amp; Scope. Industrial Relation – a systematic approach: Objective, Introduction, pre-requisites of successful Industrial Relation Programme, Characteristics of Industrial Relation System.</p> <p>Block 2: Trade Union – An Actor to Industrial Relation Introduction to Trade Union: Objective, Introduction, Trade Union- Concepts, Functions, Problems of Trade Unions, Tools used by Trade Unions. Worker's Education: Objective, Introduction, Meaning, Scope, Purpose, Venue &amp; Technique.</p> <p>Block 3: Industrial Dispute Industrial Disputes: Objective, Introduction, Forms, Causes, Role of Wage Policies. Preventive Measure: Objective, Introduction, Institution of Labour Welfare, Bipartite &amp; Tripartite Bodies, Standing Orders, Grievance Procedure &amp; Ethical Codes.</p> <p>Block 4: Settlement of Industrial Dispute Worker's Participation in Management: Objective, Introduction, Concepts, forms, level of participation, evaluation of function. Collective Bargaining: Objective, Introduction, Concepts, Importance, Principles, Forms, Levels, Evaluation of Functioning.</p> <p>Block 5: Industrial Dispute Settlement Machinery Conciliation and Arbitration: Objective, Introduction, Conciliation, Concept, Procedure &amp; Types, Arbitration “ Concept, Procedure &amp; Type Adjudication and Industrial Environment : Objective, Introduction, Adjudication - Concept, Procedure, Types, Evaluation of working and justification, Industrial Peace, Industrial Democracy</p>

	COM: 404 (A) – Human Resource Development	<p>Block 1: Introduction to Human Resource Development Concepts, benefits &amp; Pre-requisite of HRD, Distinction between HRM and HRD, HRD Practices in India, HRD Structure, Culture and Climate, HRD as a System, HRD Audit, HRD and Organizational Effectiveness, Approaches to Evaluate the HR function</p> <p>Block 2: Strategic HRD</p> <p>Role of Strategic HRD, Objectives of Strategic HRD, Components and Principles of Strategic HRD, Quality of Work Life (QWL), Approaches and Techniques of QWL, Job enrichment, Quality Circles.</p> <p>Block 3: Change Management</p> <p>Introduction, Challenges before the HR manager, Responding to change, Effect of Competition on HRM, Retention Strategy, Techniques of Continuous Improvement.</p> <p>Block 4: International HRM</p> <p>Concepts and dimensions of International HRM, Comparison between domestic HRM and International HRM, International HR Activities, Cross Cultural Issues, The Expatriate Problems, Repatriation Process.</p> <p>Block 5: Recent Trends in HRM</p> <p>Total Quality Management (TQM), Human Resource Empowerment (HRE), Employee Leasing, Moon Lighting by Employees, Dual Career Groups.</p>
	COM: 402 (B) – Indian Financial System	<p>Block 1: Financial System and Economic Development</p> <p>Financial System: Concept, Functions, Structure of Financial System, Financial Intermediaries, Financial Market, Financial Assets/ Instruments, Financial Services, Regulatory Framework, Indian Financial System - an overview. Financial System and Development: Introduction, Financial System and the Economy, Economic Growth and Financial System, Economic Development and Financial System, Role of Financial Institutions, corporate Sector and Economic Development. Legal and Regulatory Framework of IFS : Introduction, Company Law Regulations - Share Capital, Issue of Shares, Properties, Repurchase of Shares by Companies, Issue of debenture, Right-Issue, Allotment of Shares. Securities Contract (Regulation) Act - Object, Regulation of Stock Exchanges, Contracts and Options in Securities, Penalties and Procedure, SEBI - Establishment, Powers and Functions, Securities Appellate, Tribunal, Ombudsman / Stipendiary, Ombudsman</p> <p>Regulation 2003. Buy back securities -Companies Act. Requirements for listed companies 1998 main provisions.</p>

		<p>Block 2: Financial Market</p> <p>Money Market: Factors, Money Market Organization in India, Primary dealers, Money Market, Mutual Funds, RBI -Functions, Role of RBI as Regulator of Money and Credit.</p> <p>Capital Market : Defenition, Types- Primary Market, Secondary Market, Functions of New Issue, Organisational Support of NIM, Primary Market Reforms, Secondary Market and Institutional Support- Brokens, Subbrokens, Trading and Clearing/ Self Clearing Members, Foreign brokers, Custodial services, Depository system. Stock Exchanges - Regulations, Functions, Role in the Capital Market, National Stock Exchange.</p> <p>Block 3: Financial Intermediaries</p> <p>Commercial bank, Merchant bankers and Private banks, Commercial banks - Functions and Role in Financial Market, Recent Trends in Banking sector reforms.</p> <p>Merchant Bankers - Regulations, Capital adequacy requirement, Obligation Private Banks : Role in IFS and the present scenario. Development Banks and State Level Financial Corporations, Development banks : Nature and Characteristics, Function and Services Provided, Recent Trends in Development Banking, Some leading DFIs-IDBI, IFCI; Concept of universal banking. State Level Financial Corporations: Power and Functions, New Policy Framework for the SFCs. Mutual Funds, NBFCs and Insurance Service Provider, Mutual Funds-Meaning, Types of MF, advantages of MF, Main Contents of SEBI, Mutual Fund regulations, Service Mobilization by MF. NBFCs - Introduction, Role and Functions, Regulatory Aspects for NBFCs Insurance Service Providers - Meaning of insurance, Types of Insurance Services, Insurance Companies in India –an overview, Objectives, Investment Policy, Main Provisions of IRD Act, 1999 and the Changing scenario of the Insurance Business.</p> <p>Block 4: Financial Instruments</p> <p>Long term Services of Finance, Financial Instruments-Meaning, Types of Financial Instruments, Equity shares-Features, Evaluation, Performance Shares - Features, Evaluation, Debenture-Bonds- notes attributes, Valuation, Innovative debt instruments, Term Loans. Short term Sources of Finance and Derivatives Instruments, Bank and Short term sources of Finance - Overdraft, Cash Credit, Working Capital Loans, Some Money Market in Instruments - Treasury bills, Commercial Papers, Certificate of Deposits. Derivative Instruments - Meaning, Types and Uses, Features, Options Swaps, Credit Derivatives,</p>
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		<p>Advantages and Disadvantages of Derivatives.</p> <p>Block 5: Foreign Capital Flows</p> <p>Introduction, uses and Determinants of Foreign Capital, Forms of Foreign Capital, International Financial Instruments, Trends in Foreign Capital of in flows to India, Indian Direct Investment abroad, External Commercial Borrowings, Foreign Institutional investors investment, Regulatory aspects of FIIs, NRI-Investment, Foreign Collaboration, Foreign Direct investment, GDR and ADR investment, Drawbacks of Foreign Capital.</p>
COM: 403 (B) – Financial Services		<p>Block 1: Merchant Banking</p> <p>Merchant Banking: Companies Act 2000, Registration of Merchant Bankers and Regulations, Authorized Activities, Terms of Authorization, Penalty System, Defaults in Prospectus, Project Preparation and Appraisal. Pre-Issue Management - Pre-Issue Management Activities (stepwise), Pre-Issue Management and Pricing, Post-Issue Management, Listing Requirement of Stock Exchanges. Merchant Bankers and Portfolio Management - Portfolio, Obligation and Responsibility of Portfolio, Manager, Code of Conduct of PM/MB, Portfolio Management Procedure and Strategy.</p> <p>Block 2: Mutual Funds in India</p> <p>Mutual Funds in India - Definition, Concept, Advantages, Mutual Funds in India, Mutual Funds by Category, Mutual Funds by Schemes.</p> <p>Block 3: Venture Capital</p> <p>Venture Capital - Features, Financial Support, Technological revolution, Guidelines Issued by the Government/ SEBI.</p> <p>Block 4: Leasing</p> <p>Leasing - Objectives of Leasing, Steps involved in Leasing Factors, influencing Leasing, Types of Lease Financing, Advantages of Leasing, Disadvantages of Leasing. Investors investment, Regulatory aspects of FIIs, NRI-Investment, Foreign Collaboration, Foreign Direct investment, GDR and ADR investment, Drawbacks of Foreign Capital.</p> <p>Block 5: Credit Rating</p> <p>Credit Rating - Types of Credit Rating, Limitations of Credit Rating, Scope of Credit Rating, Objectives of Credit Rating, Credit Rating, Process, Credit Rating Agencies in India, Credit Rating and Information Services of India (CRISIL), CRISIL's Rating Process, Investment Information and Credit Rating Agency of India (ICRA).</p>
COM: 404 (B) – Security Analysis and		<p>Block 1: Investment: A Conceptual Framework</p> <p>Investment Environment: Investment vs Speculation,</p>

	Portfolio Management	<p>Investment Process and Categories, Markets and their Functions, Institutional investors and Changing Market, Investment alternatives, Money and Market Instruments: Bonds, Equities, Mutual Funds; Derivatives; Life Insurance.</p> <p>Block 2: Risk and Return</p> <p>Technical analysis: Macro-Economic Analysis, Industry analysis &amp; Technical analysis – basic premises.</p> <p>Block 3: Portfolio Management: Risk and Returns</p> <p>Fundamentals of portfolio: Introduction to portfolio management, Time, Value &amp; Money, Risk &amp; Return.</p> <p>Block 4: Portfolio and Pricing Models</p> <p>Portfolio Creation: Modern portfolio theory, Bond valuation, Asset allocation &amp; Portfolio design.</p> <p>Block 5: Mutual Fund Operations</p> <p>Taxes and Investments, Rewards per unit of risk, Excess return and losses.</p>
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**Credit Mapping:** The table in *Annexure - I* gives the detail of credit mapping for M. Com course:

**Faculty and Support Staff Requirement:** The following is the requirement for faculty and required support staff for the M. Com programme:

Faculty: One Assistant Professor

Assistant: One person

Class IV: One person

**Instructional Delivery Mechanism:** The following are the technologies introduced into open and distance learning over the past few years or so have expanded rapidly. These technologies now include:

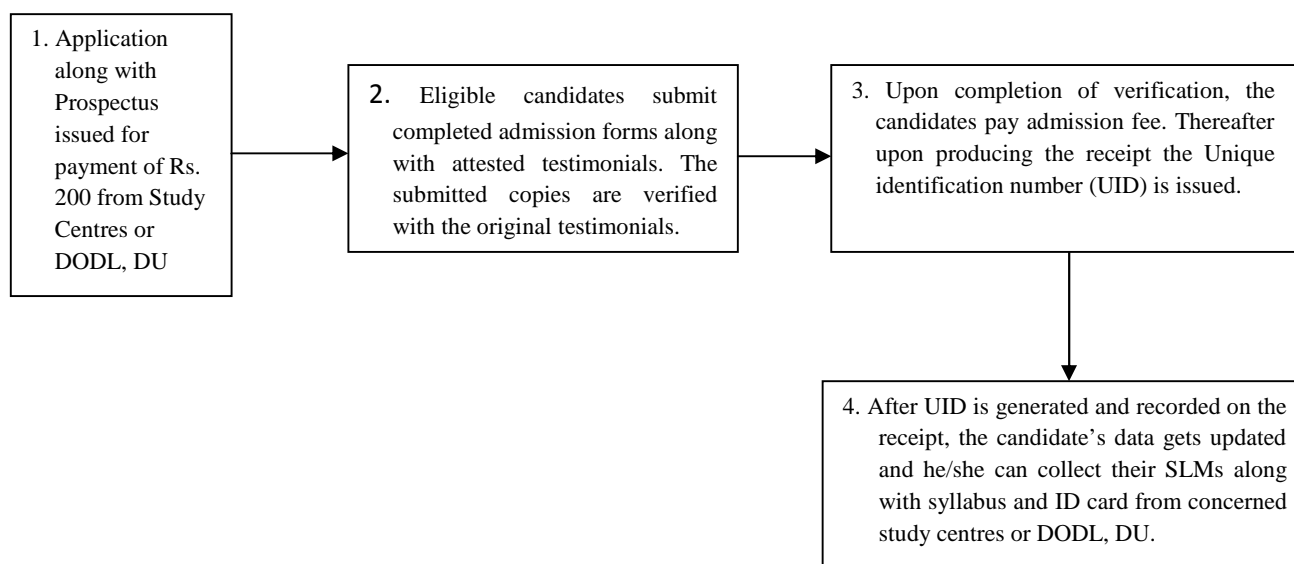
- print (mechanical and electronic publishing);
- radio (one-way, interactive, and two-way *Gyan Malini* aired by AIR, Dibrugarh);
- telephone teaching, including audio conferencing;
- video conferencing; and
- multimedia.

**Student Support Services:** The Directorate conducts weekend counseling for its learners. These weekends counseling can be availed by willing students on payment of minimal fees. There is Research and Media Support Service wing established with a twofold objective to facilitate in house research Distance Education as well as supplement the distance learners with multi-media facilities. It includes information about the various events organized by the Directorate, assisting in administrative works, support with ICT tools etc.

- Media Support Service provides supplementary support to the Learners as follows:
- **Radio Programmes GYAN -MALINEE:** On every Thursday at 8pm from All India Radio, Dibrugarh Centre, (M/W- 521.1)
- **Multi-media CDs :** The Directorate has decided to provide its learners with course related
- Video CDs, which may give a good support to the learning process of the learners.
- **Bulk SMS:** The Bulk SMS to the learners providing information regarding Counselling programmes, Personal Contact programmes, Assignments, Date and Results of Examination, other Administrative and Examination related information and so on. (if DO NOT DISTURB service is NOT activated in the contact numbers.)

- Updating all the necessary information in the website [www.ddedu.org](http://www.ddedu.org)
- **Internet facility:**
- All enrolled students of the Directorate can avail the facility of the computer laboratory with internet facility in the HQs of the Directorate. Moreover, they can update themselves by logging in the website of the Directorate.
- Computer laboratory and Education laboratory to conduct practicals.
- Library with 5000 books with reprography facility.
- Virtual classroom for video conferencing.

**Admission Procedure:** The following flowchart highlights the Admission process:



The admission procedure is given in detail as follows:

- (i) Graduates (10 + 2 + 3 pattern) from any recognized university in the Major or Honours or General courses may apply for admission into a post-graduate course offered in Distance Education, D.U. and get themselves registered as learners of Distance Education, D.U.
- (ii) Provisionally admitted learners shall have to produce the transcript issued by the institution last attended or, the original mark sheet and other testimonials for verification at the Office of the DODL, D.U. as and when call for. On production of transcript/original mark sheet and other testimonials their admission to the DODL, D.U. will be confirmed latest by January.
- (iii) Students admitted shall be issued enrolment no.
- (iv) Notwithstanding any rules and procedures, a student may be refused admission if his/her past conduct in the educational institution last attended has not been satisfactory. A student who has been expelled/ rusticated or disqualified by the university may also be refused admission.
- (v) Admission of a student can be cancelled at any stage if it is found that he/she furnished incorrect information or has suppressed facts to secure admission. If any

dispute arises out of such refusal/ cancellation, the decision of the Vice-chancellor, D.U. shall be final.

- (vi) The fees for the Post-Graduate Programmes in Distance Education shall be fixed by the university from time to time. Such fee shall include Admission Fee, Counseling Fee, Course Material Fee, Postal charges etc., payable in single installment at the time of admission. No cash deposition of fees shall be considered. Fees shall be accepted only in the form of a demand draft. Otherwise online payment mode of fees is highly recommended.
- (vii) The subject taken for M. A. / M. Com. programme may not necessarily be one of the subjects in his/her degree course. The candidate may be allowed to appear in any subject having relevant/ allied subject at the degree level.
- (viii) Mathematics in Degree level is a mandatory requirement for the learner who wants to take admission into the M.A. / M.Sc. Programme in Mathematics.
- (ix) A Master Degree holder under Distance Education may be allowed to appear at the Master Degree Examination again in a different programme or group if otherwise eligible. But two simultaneous degree of any kind in any mode of education in the same institution or /and in different institution shall not be allowed.
- (x) Medium of Instruction (course materials & counseling) and Examination for the courses shall be English except for M.A. in language subjects.
- (xi) Study materials with Guidelines will be supplied to a student within a month from the last date of admission.

Admission notices/advertisements for various programmes of the Directorate of Open and Distance Learning, Dibrugarh University, are published in leading newspapers, both English and Assamese, at least forty-five days prior to the date of admission. Other than the DODL website [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in), it is also notified in the Dibrugarh University website, [www.dibru.ac.in](http://www.dibru.ac.in). Candidates are to apply in the prescribed Application form only. Apart from the online admission process, the admission form along with the Prospectus for offline mode can be downloaded from the website [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in).

### **Curriculum transaction**

The Directorate would conduct weekend counselling for its learners. Apart from this, they would be able to solve their queries over phone by calling the concerned subject Coordinator at their respective Study Centre. Moreover, for this programme a few Video CD would be provided and some recorded lectures and discussion would be provided through Radio Broadcasting Programme 'Gyanmalini', to be broadcasted from All India Radio Dibrugarh.

### **Admission Fees:**

Rs 2500 (Course Fee / Semester) + 900 (Counseling Fee / Semester) + 400 (Enrolment Fee for the entire period of study to be paid only at the time of first entry level) + 300 (Gymkhana Fee for the entire period of study to be paid only at the time of first entry level)\*

\* The Gymkhana Fee of Rs. 300/- is meant only for the learners of Dibrugarh University DODL Study Centre and the same goes to the University General Fund use explicitly for Student Activities.

### **Schedule of Programme:**

A Post-Graduate programme under Distance Education shall be conducted in four parts – (Semester I, Semester II, Semester III and Semester IV). The schedule for the Distance Education System shall be as shown below:

- (i) Odd Semesters (i.e., First and Third) : July to December (including End Semester Examinations)
- (ii) Even Semesters (i.e., Second and Fourth): January to July (including End Semester Examinations)

The total marks in a Post-Graduate Programme in Distance Education shall be as follows:

- (a) All the M.A. /M.Sc. / M.Com. Programmes of DODL, D.U. are of 2-years duration and the total credit ranges from 64-72.
- (b) Total marks for the two years M.A. /M.Sc. / M.Com. Programmes of DODL, D.U. shall be 1600 per programme.
- (c) 20% of the marks in each course shall be assessed through assignments
- (d) Rest 80% of the marks in each course (paper) shall be assessed through University End Semester Examination.

The syllabus for each course (paper) shall be divided into block and units keeping in view the Credit value of the course. The norms for delivery of courses through distance mode are as under:

<b>Credit Value of the course</b>	<b>Study input (hours)</b>	<b>Size of SLMs (unit)</b>	<b>No. of Counselling Sessions Theory (10% of total Study hours)</b>	<b>* Practical Session (hours)</b>
2 credits	60	6 – 8	6	60
3 credits	90	10-12	9	90
4 credits	120	14 – 16	12	120
6 credits	180	20 – 24	18	180

\* Some Programmes have practical component also. Practicals are held at designated institutions/ study centres for which schedule is provided by the study centre. Attendance at practical is compulsory.

### **(i) Assignment:**

- (i) Assignment shall be a compulsory component of the evaluation process.



- (ii) 20% of the each course (paper) shall be assessed through Assignments (Inter Assessment – In Semester Examination). Rest 80% of the marks in each course (paper) shall be assessed through University End Semester Examination
- (iii) The assignments to be submitted by a student would depend upon the Credit value of the Course, as follows:

Credit value of the course	No. of Assignments
2 Credits	1
3 credits	2
4 credits	2
6 credits	2

- (iv) A candidate may submit assignments in the office of the Directorate of Distance Education or at the Study Centres within the stipulated time. Subsequently the study centres shall transmit all the assignments programme-wise and course-wise to the office of the DODL for assessment.
- (v) Marks secured on the assignments by the candidates, who appeared in the examinations but failed, shall be carried over to the next permissible chances.
- (vi) Marks secured on the assignments by the candidates who filled in the examination forms but did not appear in the examination, shall also be carried over the next permissible chances.
- (vii) A candidate who fails to submit the assignments as per clauses shall be awarded zero in the In Semester Examination in the course where assignment(s) is (are) not submitted.
- (viii) The Internal Assessment evaluation system for the Post Graduate Programme under DODL, Dibrugarh University shall also be assessed and evaluated in OMR (Optical Marks Response) Sheet through Multiple Choice Objective Type Questions and Answers by conducting mid-term examinations.

### **Examination and Evaluation**

- (i) Examination and Evaluation shall be done on a continuous basis
- (ii) There shall be 20% marks for internal assessment (In Semester) and 80% marks for End Semester Examination in each course during every Semester.
- (iii) There shall be no provision for re-evaluation of the answer – scripts of the End Semester Examinations. However, a candidate may apply for re-scrutiny.
- (iv) Internal assessment is assignment based or OMR based.
- (v) End Semester Examination:
  - (a) There shall be one End Semester Examination carrying 80% marks in each course of a Semester covering the entire syllabus prescribed for the course. The End Semester Examination is normally a written / laboratory-based examination.
  - (b) The Controller of Examinations shall then make necessary arrangements for notifying the dates of the End Semester Examinations and other procedures as per Dibrugarh University Rules (at least 20 days in advance) and the Academic Calendar / Date Sheet notified by the University / DODL, Dibrugarh University.
  - (c) The End Semester Examination for each course shall be of three hours duration.

- (d) Setting of question papers, moderation of question papers, evaluation of answer scripts, scrutiny, tabulation of marks etc. and announcement of result of results, shall be governed by the Dibrugarh University Examination Ordinance 1972 (as amended up to date).
- (vi) Betterment Examination:
  - (a) A learner shall be entitled to take the “Betterment Examination” in any two theory courses of any of the four semesters after passing the Fourth Semester Examination only once. In this case the higher marks secured by the student shall be retained. The learner shall have to apply for betterment examination within one year after passing the Fourth Semester Examination.
  - (b) No betterment shall be allowed in the practical examination.
- (vii) A learner shall be declared as passed a course, provided he / she secures –
  - (a) at least 45% marks in each course (paper) in the End Semester Examination.
  - (b) at least 45% marks in the course (paper) in aggregate in the In-and-End-Semester Examination.
- (viii) A learner shall be declared as passed a Semester, provided he / she passes all the courses of a Semester independently.
- (ix) The marks of In – Semester Examinations (i.e., Internal Assessment) obtained by the learner shall be carried over for declaring any result.
- (x) A learner who fails or does not appear in one or more courses of any End Semester Examinations up to Fourth Semester shall be provisionally promoted to the next higher Semester with the failed course(s) as carry over course(s). Such learners will be eligible to appear in the carry over course in the next regular examinations of those courses. However, the following restrictions shall be applicable:
 

**“A learner shall be entitled to avail the chance for a maximum of 5 consecutive years from the date of admission to clear a course or courses as well as the whole programme”.**
- (xi) If a learner clears the Fourth Semester Examination before clearing all the courses of the previous semesters, the result of such candidate shall be kept withheld and his / her results shall be announced only after he / she clears the courses of the previous semesters.
- (xii) A learner must pass all his / her Semester Examinations within 5 years from the date of admission to the First Semester of any programme.
- (xiii) A learner shall be declared to have passed the Fourth Semester M.A. / M. Sc. / M. Com. Degree Programme provided he / she has passed all the Semesters and in all the course separately.
- (xiv) The system of evaluation in DODL, D.U. is different from that of the Conventional Department of the University. It has a multi-tire system of evaluation:
  - (a) Self-assessment exercise within each unit of study.
  - (b) Continuous evaluation mainly through assignments and/or Internal Assessment Examination through Multiple Choice Questions (MCQ) using OMR sheet.
  - (c) Term-end examination.
  - (d) Project work (Programme specific)
- (xv) The marks secured by a student in the Assignment / IA – In Semester Examination (20% of each course) is added with the marks secured in that course in End Semester examination which is 80% of the course.

- (xvi) The following scale of grading system shall be applied to indicate the performance of students in terms of letter grade and grade points as given below:

% of marks obtained in a course (Assignment + Term End)	Letter Grade	Grade Point	Qualitative Level
Above 95	O	10	Outstanding
85 – < 95	A <sup>+</sup>	9	Excellent
75 – < 85	A	8	Very Good
65 – < 75	B <sup>+</sup>	7	Good
55 – < 65	B	6	Above Average
50 – < 55	C	5	Average
45 – < 50	P	4	Pass
Below 45	F	0	Fail
0	Abs/I	0	Absent / Incomplete

- (xvii) The letter Grade ‘B<sup>+</sup>’ and above shall be considered First Class; the Letter Grade (s) ‘B’ to ‘P’ shall be considered as Second Class. However, letter Grade ‘B’ shall be considered as Second Class with minimum of 55% marks.

- (xviii) A learner is considered to have completed a course successfully and earned Letter Grade other than ‘F’ (Failed) or Abs / I (Absent / Incomplete).

- (xix) If a learner secures ‘F’ Grade in a Course, he / she shall have to reappear in the Course in the next legitimate chance.

- (xx) Result of the learners appeared in the ‘Betterment’ examination shall not be counted for the award of Prizes / Medals / Rank or Distinction.

- (xxi) A learner shall have to pay a prescribed fee to appear in the ‘Betterment’ Examination fixed by the University from time to time.

### Conversion of Marks to Grades and Calculation of GPA (Grade Point Average)

In the Credit and Grade Point System, the assessment of individual courses in the concerned examinations will be on the basis of marks only, but the marks shall later be converted into Grade by some mechanism wherein the overall performance of the learners can be reflected after considering the Credit Points for any given course. However, the overall evaluation shall be designated in terms of Grade. There are some abbreviations used here that need understanding of each and every parameter involved in grade computation and the evaluation mechanism. The abbreviation and formulae used are as under:

#### Abbreviations and Formula’s Used:

G : Grade

GP : Grade Points

C ; Credits

CP : Credit Points

CG : Credit X Grade (Product of Credit & Grades)

$\Sigma$  CG : Sum of Product of Credits & Grade Points

$\Sigma$  C : Sum of Credit Points.

$$\text{GPA} = \frac{\sum \text{CG}}{\sum \text{C}}$$

GPA : Grade Point Average shall be calculated for each Previous and Final Year Examination.

CGPA : Cumulative Grade Point Average shall be calculated for the entire programme by considering both Previous & Final Year taken together. It shall be calculate by the formula given below:

$$\text{CGPA} = (\sum C_{ni} G_{ni}) / (\sum C_{ni})$$

Here,

$C_i$  = number of credit for the  $i^{\text{th}}$  course,

$G_i$  = grade point obtained in the  $i^{\text{th}}$  course,

$C_{ni}$  = number of credit if the  $i^{\text{th}}$  course  $n^{\text{th}}$  the year,

$G_{ni}$  = grade point of the  $i^{\text{th}}$  course of the  $n^{\text{th}}$  year

After calculating the GPA for an individual year and the CGPA for the entire Programme, the value can be matched with the grade in the Grade Point table in (xvi) above

\* GPA and CGPA shall be rounded off to 2 decimal points and reported to the Grade Card (Sheet) and Transcript.

### **Conversion Formula:**

Ordinarily the CGPA earned by a student may be converted to percentage of marks by following the formula mentioned as under:

$$\text{CGPA} \times 10 = \text{Percentage of Marks}$$

### **Grade Card / Sheet (Reporting of Learners Performance):**

The Grade Card / Sheet issued at the end of end term examination to each learner shall contain the following:

- The marks obtained by a learner in each course,
- The credit earned for each course registered for that year,
- The performance in each course indicated by the letter grade,
- The Grade Point Average (GPA),
- The cumulative Grade Point Average (CGPA) and
- Conversion formula.

### **Transcript:**

The University may issue consolidated Transcript on request to the Controller of Examinations which shall contain letter grades, grade points, GPA and CGPA mentioning the Course Title in detail, medium of instruction and programme duration.

### **Rules for admission of Unsuccessful and Absentee Candidates**

Unsuccessful learners fails to complete programme within the stipulated time may take re admission in the programme by paying fees fixed by the University from time to time.

**General:**

For any matter not covered under these Regulations for the Directorate of Open and Distance Learning, the existing Dibrugarh University Rules, Ordinances and the Dibrugarh University Act, 1965 (as amended), The Dibrugarh University Examination Ordinance, 1972 (as amended up to date) and the Dibrugarh University Distance Education Ordinance, 2006 (amended up to date) shall be applicable.

**Requirement of the laboratory support and Library Resources:**

The Programme does not require laboratory support. The Directorate of Open and Distance Learning, Dibrugarh University has a Library for its learners with sufficient books to help them through their studies. It has provision for distance learners to read as well as borrow books. Moreover, there is a provision for the learners to access the Dibrugarh University main library, Lakshminath Bezboroa Granthagar, with a present holding of approximately 175815 books and rare publications, apart from 18718 back volumes of journals, 3030 theses and dissertations.

**Cost estimate of the Programme and the provision:**

Keeping an eye on the number of applicants applying for the conventional Master Degree in English at Dibrugarh University and the yearly output of Degree learners with major in English from various affiliated Colleges under Dibrugarh University, it can be estimated that around six-seven hundred learners may seek admission to this Programme. If the cost estimate is calculated on 100 learners, the approximate cost is as follows:

Approximate earning (per 100 learners per annum)	= Rs. 720000/-
Development ( <i>SLM writing, editing, review, printing cost, recording, radio slots, remuneration, etc.</i> ):	= Rs. 450000/- (approx.)
Delivery ( <i>Postage, courier, door delivery, etc.</i> ):	= Rs. 20000/- (approx.)
Maintenance ( <i>Syllabus revision, SLM revision, Committee expenses, etc.</i> ):	= Rs. 10000/- (approx.)
Staff Payment and other Expenses	= Rs. 200000/- (approx.)
Total expenditure (approx.)	= Rs. 680000/-
Hence, total earning per 100 learners	= Rs. (720000.00 - 680000.00) = Rs. 40000.00

**Medium and Method of Instruction:-**

- English shall be the medium of instruction both in the classroom as well as in the University Examination.
- Weekend Counselling sessions shall be organized for the learners at the study centres.

**Quality Assurance Mechanism and Programme Outcome:** The HEI is committed to the principles of quality management and continuous improvement. Implementing these principles involves both the regular evaluation of teaching materials and the assessment of teaching of academic staff, both of which involve seeking student reactions to their course experience. The following measures can be taken up to improve quality:

- Quality checks are built in at the course development level — writers are selected on merit; reference groups provide feedback at all stages of course development.
- Feedback and liaison between teachers and course developers are vital parts of the writing process and we check it.
- Quality checks are built into the materials production process.
- Involving academic staff in dual mode teaching to adopt the view that assuring a common curriculum regardless of study mode demands flexibility not identity in delivery method or style.
- Establishing a consistent in-house style across a large range (units) of courses thereby decreasing variability.
- Gaining acceptance by staff of quality assurance (especially Experts and Editors) as a standard course design improvement procedure not as a punitive measure.
- Deciding the point at which it may be assumed that a technological innovation (audio or video CD; personal computer; and e-mail) has become sufficiently widely diffused to justify its use as a compulsory component of course materials.
- Getting to the point at which academic staffs involved in dual mode teaching recognize the value to themselves of modifying their face-to-face teaching by integrating the use of guided independent learning resources into the classroom mode.
- Addressing staff development needs associated with integrating new communication technologies into course design.
- Support staff accustomed to the conventional system is trained and retrained for their task of ensuring that students receive the necessary support. This is essential if learners are to complete their courses successfully.
- For learners in remote areas, a mobile team is required to provide tutorial support, to these communities is to be taken up.

Need assessment and tracer studies will be conducted for quality assurance in terms of the Centre for Internal Quality Assurance. Moreover, revision and updating of material by obtaining feedback from students and resource persons will be done. A high powered committee constituted with the Deans, HoDs, Subject Experts from the University Departments and the Directorate will also monitor the syllabus upgradation, curriculum design, and other pedagogical and academic aspects of all programmes of the Directorate of Open and Distance Learning, Dibrugarh University.

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**Annexure I: Credit Mapping of M. Com Programme of 2 Years Duration( 4 Semesters)**

Programme	Course*	No. of Assignments		No. of Counseling Sessions (10% of Study Input)		Size of SLMs Range	Study Input		Credit Value
		OMR	Home Assgn	Sat	Sun		Self Study	H/W	
M. Com (1 <sup>st</sup> Semester)	Com: 101	2		12hrs		16units	120hrs		4 Credits
	Com: 102	2		12hrs		14units	120hrs		4 Credits
	Com: 103	2		12hrs		16units	120hrs		4 Credits
	Com: 104	2		12hrs		16units	120hrs		4 Credits
	Total Credits from Course Com: 101 - Course Com:104								<b>16Credits</b>
M. Com (2 <sup>nd</sup> Semester)	Com: 201	2		12hrs		14units	120hrs		4 Credits
	Com: 202	2		12hrs		16units	120hrs		4 Credits
	Com: 203	2		12hrs		14units	120hrs		4 Credits
	Com: 204	2		12hrs		14units	120hrs		4 Credits
	Total Credits from Course Com: 201 - Course Com:204								<b>16Credits</b>
M. Com (3 <sup>rd</sup> Semester)	Com: 301	2		12hrs		14units	120hrs		4 Credits
	Com: 302	2		12hrs		14units	120hrs		4 Credits
	Com: 303	2		12hrs		16units	120hrs		4 Credits
	Com: 304	2		12hrs		14units	120hrs		4 Credits
	Total Credits from Course Com: 301 - Course Com:304								<b>16 Credits</b>
M. Com (4 <sup>th</sup> Semester)	Com: 401	2		12hrs		14units	120hrs		4 Credits
Elective (HR)	Com: 402 (A)	2		12hrs		16units	120hrs		4 Credits
	Com: 403 (A)	2		12hrs		16units	120hrs		4 Credits
	Com: 404 (A)	2		12hrs		16units	120hrs		4 Credits
Elective (Finance)	Com: 402 (B)	2		12hrs		16units	120hrs		4 Credits
	Com: 403 (B)	2		12hrs		16units	120hrs		4 Credits
	Com: 404 (B)	2		12hrs		16units	120hrs		4 Credits
	Total Credits from Course Com:401 – 404(A) / 404(B)								<b>16 Credits</b>
	Total Credit of M. Com Programme of 2years duration (4 semesters)								<b>64 Credits</b>

hrs = Hours; w = Week; m = Month; OMR = Optical Mark Recognition; GD = Group Discussion; Assgn.= Assignment; ppt.= Presentation

\*Course details in Annexure – I(A)

**Annexure IA: Course Details of M. Com Programme under CBCS of 2 Years Duration**

COM: 101- Business Environment  
COM: 102- Organization Behaviour and Theory-I  
COM: 103- Cost and Management Accounting  
COM: 104- Entrepreneurship Development  
COM: 201- Organization Behaviour and Theory-II  
COM: 202- Managerial Economics  
COM: 203- Financial Management-I  
COM: 204- Strategic Management –I  
COM: 301 Research Methodology  
COM: 302- Financial Management- II  
COM: 303- Marketing Management  
COM: 304- Strategic Management –II  
COM: 401- Statistical Analysis  
COM: 402 (A)- Human Resource Management  
COM: 403 (A)- Industrial Relation  
COM: 404 (A) – Human Resource Development  
COM: 402 (B) – Indian Financial System  
COM: 403 (B) – Financial Services  
COM: 404 (B) – Security Analysis and Portfolio Management





## **PROGRAMME PROJECT REPORT**

**PROGRAMME – MASTER OF ARTS/SCIENCE (M. A./ M.Sc.) IN MATHEMATICS:  
SEMESTER MODE**

**PREPARED BY CIQA, DODL, DIBRUGARH UNIVERSITY FOR THE ACADEMIC  
SESSION 2020-21 ONWARDS**

### **PRESENTED BEFORE**

- The Second Meeting of CIQA Committee on 29.11.2019 for onward process

*Forwarded under report to the forthcoming meeting of BoM and BoS to  
recommend to the statutory bodies*

### **PLACED BEFORE**

- The 150<sup>th</sup> Meeting of the Post Graduate Board on 05.12.2019

### **RECOMMENDED BY THE**

- The 150<sup>th</sup> Meeting of the Post Graduate Board to the 118<sup>th</sup> Meeting of Academic Council for Approval

**APPROVED BY THE HON'BLE VICE CHANCELLOR UNDER REPORT TO THE  
ACADEMIC COUNCIL**

**PROGRAMME PROJECT REPORT (PPR)**  
**PROGRAMME:- M.A./M.SC. IN MATHEMATICS (SEMESTER MODE)**  
**PREPARED BY CIQA, DODL, DIBRUGARH UNIVERSITY FOR THE**  
**ACADEMIC SESSION 2020-21 ONWARDS**

**(a) Programme's mission & objectives:**

*Mission:*

To provide quality higher education in the field of Mathematics enabling learners to develop analytical aptitude and deep knowledge in the subject through open and distance learning mode without having to worry about the constraints of time and place.

*Objectives:*

The following are the main objectives of the Programme:

- To produce educated manpower for undertaking teaching, research and related activities in Mathematics and allied branches of basic or applied sciences by offering time flexibility needed to balance work and studies.
- To provide opportunities for continuing and developmental education by offering "second chance" to those who have had to discontinue their formal education in Mathematics or could not join regular colleges or universities owing to social, economic and other constraints.
- To provide opportunities to the large segments of the population who could not take admission in regular colleges or universities due to limitation of seat capacity and to other groups such as working people, women and persons who wish to acquire and upgrade their knowledge and skills in Mathematics.
- To provide opportunities to the Science and Engineering graduates passing Mathematics as one of the subjects who want to upgrade their qualification while being in their present jobs for career advancement.

**(b) Relevance of the program with HEI's Mission and Goals:**

The programme is highly relevant with the mission and goals of Dibrugarh University which aims to provide learners with an environment for critical thinking, for negotiating multiple perspectives and for creative problem solving.

**(c) Nature of prospective target group of learners:**

The target group of learners for the programme is those who have completed their graduation in Science, Engineering or other disciplines having Mathematics as one of the subjects. This group includes working people who want to upgrade their qualification for career advancement, learners who could not get the opportunity to pursue the programme in regular colleges and universities and other interested persons of different age groups who had to discontinue education after graduation.

**(d) Appropriateness of programme to be conducted in open and distance learning mode to acquire specific skills and competence:**

The programme is very much aligned with the vision of open and distance learning, particularly affirming the interconnection of self-learning and counselling to reach the unreached. Since, Mathematics is a subject which requires learners to spend a lot of time working independently to solve problem sets with occasional support from the counsellors, so it is highly suitable for Open and Distance Learning. After successfully completing the programme, the learners can compete for employment or research positions in government, industry and non-profit organizations.

**(e) Instructional design:**

The Programme in Mathematics is offered through Open and Distance Learning mode. The Programme has the required Self Learning Materials for each Course/Paper. Apart from the Self Learning Materials, Video CD and Recorded Lectures and Discussion are provided through Radio Broadcasting Programme '*Gyanmalinee*'. Moreover, face to face counselling, telephonic support and mobile app are also used in the teaching/learning mechanism.

The two year (four semester) M.Sc in Mathematics programme consist of fourteen (14) core courses and two (2) elective courses having four (4) credits in each, leading to a total of sixty four (64) credits. In the fourth semester out of four courses, two courses will be compulsory and two will be optional. Each course will include 2 assignments. The learners will have to earn 64 credits over a period of 2 to 4 years to successfully complete this programme.

**COURSE STRUCTURE:****FIRST SEMESTER****(All courses are compulsory)**

Course code	Course Name	No. of Assignments	Practical Sessions	Size of SLMs Range	No. of Counselling Sessions Theory (10% of total study hours)	Study input (in terms of hours)	Credit Value of the course
Math-101	Real Analysis	2	---	14 units	12	120	4
Math-102	Algebra and Logic	2	---	16 units	12	120	4
Math-103	Differential Geometry	2	---	14 units	12	120	4
Math-104	Mechanics	2	---	15 units	12	120	4

**SECOND SEMESTER****(All courses are compulsory)**

Course code	Course Name	No. of Assignments	Practical Sessions	Size of SLMs Range	No. of Counselling Sessions Theory (10% of total study hours)	Study input (in terms of hours)	Credit Value of the course
Math-201	Complex Analysis	2	---	14 units	12	120	4
Math-202	Tensor	2	---	14 units	12	120	4
Math-203	Differential Equation and Integral Equation	2	---	16 units	12	120	4
Math-204	Inviscid Fluid Mechanics	2	---	15 units	12	120	4

**THIRD SEMESTER**  
(All courses are compulsory)

Course code	Course Name	No. of Assignments	Practical Sessions	Size of SLMs Range	No. of Counselling Sessions Theory (10% of total study hours)	Study input (in terms of hours)	Credit Value of the course
Math-301	Topology	2	---	14 units	12	120	4
Math-302	Measure theory	2	---	14 units	12	120	4
Math-303	Advanced Fluid Dynamics	2	---	16 units	12	120	4
Math-304	Numerical Analysis	2	---	15 units	12	120	4

**FOURTH SEMESTER**

Course code	Course Name	No. of Assignments	Practical Sessions	Size of SLMs Range	No. of Counselling Sessions Theory (10% of total study hours)	Study input (in terms of hours)	Credit Value of the course
Math-401	Functional Analysis	2	---	15 units	12	120	4
Math-402	Computer programme	2	---	14 units	12	120	4
<b><u>Optional paper ( Any one group – ‘A’, ‘B’ or ‘C’)</u></b>							
Math-403(A)	Number Theory	2	---	14 units	12	120	4
Math-404(A)	Graph Theory	2	---	15 units	12	120	4
Math-403(B)	Abstract Algebra	2	---	14 units	12	120	4
Math-404(B)	Operator Theory	2	---	16 units	12	120	4
Math-403(C)	Magneto-hydrodynamics	2	---	14 units	12	120	4
Math-404(C)	Non-linear Dynamical System	2	---	16 units	12	120	4

**Detailed syllabus:****Course Math - 101****Real Analysis****Credits: 4****Block I : Metric Spaces****Marks-25**

Metric space and its topology, Weistrass theorem, Compactness, Connectedness, Heine Borel theorem, Continuity and Compactness, Continuity and Connectedness, Uniform Continuity, Completeness.

**Block II : Riemann - Stieltjes Integral****Marks-25**

Definition and Existence of Riemann - Stieltjes Integral, Properties of the Integral, Integration and Differentiation, the fundamental theorem of calculus, Integration of vector-valued functions.

**Block III: Uniform Convergence****Marks-30**

Sequences and series of functions, Point wise and Uniform convergence, Cauchy criterion for uniform Convergence, Supremum test, Weistrass : M test, Uniform Convergence and Continuity, Uniform Convergence and Riemann-Stieltjes integration, Uniform Convergence and Differentiation, Weierstrass's approximation, theorem, Power series and uniqueness theorem for power series.

**Recommended Books:**

1. S.C. Malik and S. Arora, Mathematical Analysis, New Age International (P) Ltd.
2. Walter Rudin, Principles of Mathematical analysis, McGrawHill.
3. T.M. Apostol, Mathematical Analysis, Narosa Publishing House, New Delhi.

**Course Math - 102**  
**Algebra and Logic**  
**Credits: 4**

**Algebra**

**Block I :**

**Marks-16**

Conjugate Elements, Class equations of finite groups, Structure Theory of Groups, Sylow's theorem, Cauchy's theorem on order of a finite group, Finite Abelian groups, Solvable Groups.

**Block II :**

**Marks-20**

Polynomial rings, Factorization in  $R(x)$ , Factorization theory in Integral Domains, Euclidian Domain, Unique Factorization Domain, Algebraic Extension of Fields.

**Block III:**

**Marks-20**

Vector Spaces and Subspaces, Basis and Dimensions, Linear Mappings, matrices and linear operators, Linear functionals and the dual space.

**Logic**

**Block IV:**

**Marks-12**

The propositional Calculus sentential connectives, truth tables, tautologies, adequate sets of connectives, Validity, consequence, applications of the statement calculus.

**Block V :**

**Marks-12**

Symbolizing everyday language, quantifiers, interpretations, satisfiability and truth, Models validity, consequences.

**Recommended Books:**

1. Basic Abstract Algebra by P.B. Bhattacharya, S.K. Jain, S.R. Nagpaul, Cambridge University Press.
2. Modern Algebra by Surjeet Singh and quazi Zamiruddin, Vikash Publications.
3. Scahum's Outline of Theory and Problems of Linear algebra by S. Lipschutz. Mc Graw - Hill Book Co.
4. Introduction to Mathematical logic by Van Nostrand.
5. Set Theory and Logic by Robert R. Stoll.

**Course Math - 103**  
**Differential Geometry**  
**Credits: 4**

**Block 1:** Space curves, tangent plane, Normal Plane, Osculating plane, principal normal, binormal, rectifying plane, curvature, torsion, screw curvature, Serret Frenet formula, helices. **Marks-12**

**Block 2:** Fundamental of space curves, uniqueness theorem, osculating circle, osculating sphere, involute and evolute, spherical indicatrix and Bertrand curves. **Marks-12**

**Block 3:** Different forms of surfaces, order of contact between, curves and surfaces. Class of a surface, regular and singular points on a surface, curvilinear, co-ordinates, parametric curves, tangent plane and normal. **Marks-14**

**Block 4:** One parametric family of surfaces, characteristics, envelope, edge of regression.  
 Ruled surface, developable surface, developable associated with a surface curve, osculating developable, polar developable, rectifying developable, two parameters family of surface. **Marks-14**

**Block 5:** Fundamental Forms : First order magnitude, first fundamental form, second fundamental forms, geometric interpretation of the second fundamental form, Weierstrass equation. Family of curves, angle between two directions, orthogonal trajectories. **Marks-14**

**Block 6:** Curves on a Surface: Normal section, Normal curvature, Meusnier's theorem, principal directions, principal curvature, mean curvature, Gaussian curvature, lines of curvature, Rodrigues's formula, Euler theorem.  
 First fundamental form, conjugate directions, asymptotic lines theorem of Beltrami, geodesics, geodesic tangent, torsion and curvature of a geodesic, geodesic curvature and geodesic torsion, normal angle,  $k_g = k_n \tan \omega$ ,  $k^2 = k_g^2 + k_n^2$ . Liouville's formula for  $k_g$ . **Marks-14**

**Recommended Books :**

1. Differential Geometry by Weatherburn, Radha Publishing House.
2. Differential Geometry by Eisenhart, Princeton University Press.



**Course Math - 104****Mechanics****Credits: 4****Block I****Marks-16**

Rigid Body Motion : Eulerian Angles, Angular momentum and Kinetic Energy of the rigid body, motion about a point, method of solving problems of rigid body motion, Euler's equation of motion, torque free motion of a rigid body. Poinso't's geometrical description of motion of rigid body.

**Block II****Marks-16**

Lagrangian Formulation : Holonomic and non holonomic dynamical systems, rhenomic and scleronomic dynamical systems, generalized co-ordinates and degrees of freedom; generalised velocity, generalised forces.

Momenta and kinetic energy in terms of generalised velocities; D'Alembert's principle and Lagrange's equation of motion; generalised momenta and kinetic energy in terms of generalised velocities.

**Block III****Marks-24**

Technique of calculus of variation. Euler's Equation, the brachistochrone problem. The configuration space and the Hamilton's principle of least action, Derivation of Lagranges equation from Hamilton's principle, Lagranges equation of motion for nonholonomic systems. Conservation theorems and symmetry properties, the Routhian function, Lagrange's equation for small oscillation.

**Block IV****Marks-24**

Hamilton's Equation : Hamilton's canonical equation of motion, canonical variable, cyclic co-ordinates, canonical transformation, generating functions, Lagrange's and Poission's brackets. Integral invariants of Poincare. Hamilton Jacobi Theory : Hamilton's Principle function, Jacobi's complete integral, time-independent Hamilton Jacobi equation, separation of variables.

**Recommended Books:**

1. Classical Mechnics : by H Goldstein, Narosa publishing house, Delhi.
2. Classical Mechanics : by C.R. Mandal, Prentice Hall, New Delhi.
3. Dynamics Part II : by A.S. Ramsay, CBS Publisher, Delhi.
4. Classical Mechanics : by Gupta Kumar and Sharma, Meerut.

**Course Math - 201****Complex Analysis****Credits: 4****Block I : Complex Integration****Marks-35**

Complex integration, Cauchy-Goursat theorem, Morera's theorem, Cauchy's integral formula, Higher order derivatives, Cauchy's inequality, Lieuville's theorem, Fundamental theorem of algebra, Maximum modulus theorem, Schwarz lemma.

**Block II : Series****Marks-30**

Taylor series, Laurent series, Classification of singularities, residues, Cauchy's residue theorem, Evaluation of integrals, Rouchis theorem, argument principle .

**Block III: Conformal Mappings****Marks-15**

Bilinear transformation and its properties, conformal mappings and their properties.

**Recommended Books:**

1. R.V. Churchill & J.W. Browh, Complex Variables and Applications, 5th edition, 1990.
2. Murray R. Spiegel, Theory and problems of Complex variables (Schaum's Outline series), SI (Meric) edition, 1981.

**Course Math - 202****Tensor****Credits: 4**

**Block 1: Basic Concepts** : Summation convention, Kronecker delta, Generalized Kronecker delta.

Permutation symbols, Determinants in tensor notation, General curvilinear co-ordinates, Basic vectors and reciprocal base vectors, Examples. **Marks-16**

**Block 2: Tensor Algebra** : Absolute and relative tensors, Symmetric and skew-symmetric tensors, Addition and subtraction of tensors, Outer product, Contraction, Inner product, Quotient rule, Examples. **Marks-16**

**Block 3:** The line element, Metric tensor, Associated tensors, Length of a curve, magnitude of a vector, Angle between two vectors, Vector algebra in tensor notation, Physical components of a tensor, Examples. **Marks-16**

**Block 4: Christoffel symbols:** Definition of Christoffel symbols, Christoffel symbols in terms of metric tensors, Christoffel symbols in orthogonal co-ordinate systems, Examples. **Marks-16**

**Block 5: Covariant differentiation** : The covariant derivatives of tensors, Rules of covariant derivative, Gradient, Divergence, Curl and Laplacian in tensor notation, Riemann-Christoffel tensor, Examples. **Marks-16**

**Recommended Books :**

1. Vector and Tensor Analysis by Harry Lass, Mc Graw Hill Book Company.
2. Tensor calculus by Barry Spain, Radha Publishing House.
3. Vectors, Tensor and Basic equations of Fluid Dynamics by R. Aris, Dover Publication.

**Course Math - 203**  
**Differential Equations and Integral Equations**  
**Credits: 4**

**Block I : Differential Equations****Marks-44**

Ordinary Differential Equations : Initial-value problems. Boundary value problems, Existence and uniqueness theorem of the solution of  $dy/dx = f(x,y)$ . Sturm-Liouville boundary-value problems, Wronskian.

Partial Differential Equations of First & Second Order : Partial differential equations, Origins of first-order partial differential equations, Cauchy's problem for first-order equations, Linear equations of the first order, Integral surface passing through a given curve. Surface orthogonal to a given system of surfaces.

Nonlinear partial differential equations of the first order, Compatible systems of first-order equations, Charpit's method. Special types of first-order equations, Jacobi's method, Linear partial differential equations of second order with constant co-efficient, Characteristic curves of second-order equations, Reduction to canonical forms, Separation of variables, Solutions of nonlinear equations of the second order by Monge's method.

Laplace's Equation, The Wave Equation, The Diffusion Equation : The occurrence of Laplace's equation in Physics, Boundary value problems, Solution of Laplace's equation by separation of variables, The theory of Green's function for Laplace's equation.

The occurrence of the Wave equation in Physics, Elementary solutions of the one dimensional Wave equation, The occurrence of the Diffusion equation in Physics, Elementary solution of the Diffusion equation, Solution of the Diffusion equation by separation of variables.

**Block II : Integral Equations****Marks-36**

Volterra Integral Equations : Basic concepts, Relationship between linear differential equations and Volterra integral equations, Resolvent kernel of Volterra integral equation, Solution of integral equation by resolvent kernel. The method of successive approximations, Convolution-type equations, Volterra integral equations with limits  $(x - a)$ , Volterra integral equations of the first kind, Euler integrals, Abel's problem, Abel's integral equation and its generalizations, Volterra integral equations of the first kind of the convolution type.

Fredholm Integral Equations : Fredholm equations of the second kind. The method of Fredholm determinants, Iterated kernels, Constructing the resolvent kernel with the aid of iterated kernels, Integral equations with degenerate kernel, Characteristic numbers and eigenfunctions, Solution of homogeneous integral equations with degenerate kernel, Nonhomogeneous symmetric equations.

**Recommended Text Books :**

1. Differential equations by Shepley L. Ross, John Wiley & Sons.
2. Elements of partial differential equations by Ian. N. Sneddon, Mc Graw - Hill Book Company.
3. Problems and exercises in integral equations by George Yankovsky, MIR Publishers.
4. Differential Equations by George F. Simmons, Tata McGraw-Hill Publishing Company Limited, New Delhi.

**Course Math - 204**  
**Inviscid Fluid Mechanics**  
**Credits: 4**

**Block I****Marks-12**

KINEMATICS : Real and ideal fluid, velocity of a fluid at a point, stream lines and path lines, steady and unsteady flows, velocity potential, rotational and irrotational motions, local and particle rate of change, equation of continuity, examples, acceleration of a fluid at a point, general analysis of fluid motion.

**Block II****Marks-12**

EQUATIONS OF MOTION : Euler's equation of motion, Bernoulli's equation, steady motion under conservative forces, impulsive motion. circulation, Kelvin's circulation theorem.

**Block III****Marks-20**

GENERAL THEORY OF IRROTATIONAL MOTION :Potential flow, mean value of velocity potential, deductions from Green's theorem, kinetic energy of a liquid, Kelvin's minimum energy theorem, uniqueness theorems.

**Block IV****Marks-20**

MOTION IN TWO DIMENSION :Meaning of two dimensional flow, stream function complex potential for standard two dimensional flows, sources sinks and doublets, two dimensional image systems, Milne-Thomson circle theorem and its applications, Magnus effect, Blasius theorem, infinite circular cylinder in uniform stream with circulation.

**Block V****Marks-16**

AXI-SYMMETRIC MOTION IN THREE DIMENSION : Axi-symmetric flows, Stoke's stream function and its physical meaning, stationary sphere in a uniform stream, pressure on the surface of a sphere, thrust on a hemisphere, d'Alembert's paradox, stream lines, sphere moving with constant velocity in a liquid which is otherwise at rest, kinetic energy of the fluid.

**Recommended Text book and reference books :**

1. Text book of Fluid Dynamics by F. Chorlton, CBS Publishers & Distributions, 1999, 4596/1A, 11 Darya Ganj, New Delhi-1100052 (India).
2. A Treatise on Hydrodynamics Part by W.H. Besant and A.S.Ramsey, The English Language Book Society and G.Bell and Sons, Ltd., London.
3. Theoretical Hydrodynamics, by L.M. Milne Thomson, Macmillan & Co.
4. Modern Fluid Dynamics by N. Curle and H. J. Davies, Van- Nostrand Reinhold Company, 1968.

**COURSE : MATH - 301****TOPOLOGY****Credits: 4**

**Block 1: Topological spaces:** Definition and examples of topological spaces. Closed sets, Closure, Dense subsets, Neighbourhoods, Interior, exterior and boundary, accumulation points and derived sets, Bases and sub-bases Subspaces and relative topology, Product topology (only finite case), quotient topology, Continuous functions and homeomorphism. **Marks-25**

**Block 2: Separation and countability:** First and second countability spaces, Lindelöf's space. Separable spaces, Second countability and separability. Separation axioms  $T_0$ ,  $T_1$ ,  $T_2$ ,  $T_3$ ,  $T_4$ ; their characterization and basic properties. **Marks-20**

**Block 3: Compactness:** Compactness, Continuous function and compact sets, basic properties of compactness, compactness and finite intersection properties. **Marks-18**

**Block 4: Connectedness:** Connectedness spaces, connectedness on the real line, components, Pathwise connectedness. **Marks-17**

**Recommended Books:**

1. K. D. Joshi, Introduction to General Topology, Wiley Eastern Ltd.
2. M. G. Murdeswar, General Topology, Wiley Eastern Ltd.
3. James R. Munkres, Topology, A first course, Prentice Hall of India Pvt. Ltd., New Delhi.
4. George F. Simmons, Introduction to topology and Modern Analysis, Mc Graw-Hill Book Company.
5. B. C. Chatterjee, S. Ganguly, M.R. Adhikari, A textbook of Topology, Asian Books Pvt. Ltd.

**COURSE : MATH - 302****MEASURE THEORY****Credits: 4**

**Block 1: Measurable Sets:** Algebras and  $\sigma$ -algebras generated by a class of subsets, Outer measure, Lebesgue measure, measurable sets and their properties. Borel sets, Cantor's ternary set, characterization of measurable sets non measurable sets, Idea of measure in  $\mathbb{R}^2$  and  $\mathbb{R}^3$ . **Marks-30**

**Block 2: Measurable Functions:** Properties of measurable functions, step functions, characteristic functions, simple functions, continuous functions, set measure zero, Borel measurable function. Egoroff theorem, realization of non negative measurable functions as the Limit of an increasing sequence of simple functions: Lucin's theorem, Frechet theorem, convergence in measure. **Marks-30**

**Block 3: Lebesgue Integral:** Reimann Integrals, comparison to Lebesgue and Reimann integrable functions, Lebesgue integral of a simple function, Bounded convergence theorem. Integral of a non negative measurable Lebesgue integral, dominated convergence theorem. **Marks-20**

**Recommended Text Book and Reference Books:**

1. Real Analysis (ed -3) by H.L. Royden, Mc Millan, New York, 1988.
2. Measure and Integration by G.D. Berra, New Age International Publication, 1992.
3. Principles of Mathematical Analysis (ed-3) by W. Rudin, Mc Graw Hill, Khogakusha, International Students Edition, 1976.

**COURSE : MATH - 303**  
**ADVANCE FLUID DYNAMICS**

**Credits: 4**

**Block - I**

**Marks-15**

**Vortex Motion:** the vorticity vector, vector, vortex lines, Helmholtz's vorticity theorems, equation for the rate of change of vorticity, line vortices, image of a line vortex in an infinite plane, single infinite row of line vortices, Karman vortex street.

**Block- II**

**Marks-20**

**Equations of Motion for Viscous Flow:** Stress components in a real fluid, relation between Cartesian components of stress, translational motion of fluid element, stress analysis in fluid motion, relation between stress and rate of strain, the coefficient of viscosity and laminar flow.

The Navier-Stokes equation of motion of a viscous fluid, rate of change of circulation, diffusion of vorticity, energy dissipation due to viscosity, dimensional analysis, Reynolds number.

**Block - III**

**Marks-25**

**Exact Solutions Of Navier-Stokes Equation:** Parallel flow, Parallel flow through a straight channel, Couette flow and generalized Couette flow, Hagen-Poiseuille flow through a pipe, the flow between two concentric rotating cylinders. Flow due to a plane wall suddenly set in motions, unsteady flow between two parallel plates, Flow due to an oscillating plate.

**Block - IV**

**Marks-20**

**Two Dimensional Boundary Layer:** The boundary layer concept, boundary layer thickness, displacement, energy and momentum thickness, the phenomenon of separation and vortex formation.

Prandtl's boundary layer equations, similar solutions of the boundary layer equations, the boundary layer along a flat plate, the momentum and energy integral equations for the boundary layer.

**Recommended Books:**

1. Text book of Fluid Dynamics by F. Chorlton, CBS Publishers & Distributors, 4596/1-A, 11 Daryaganj, New Delhi-110002. Pages: 75, 76, 126, 127, 174, 207, 208, 310-314, 318-324, 338-345 for unit I & II.
2. Boundary Layer Theory written by Dr. Hermann Schlichting translated by Dr. J. Kestin, McGraw Hill Book Company Inc., New York.
3. An Introduction to Fluid Dynamics by R.K. Rathy, Oxford & IBH Publishing Co. Calcutta for Unit -V.
4. Viscous Fluid Dynamics by J.L. Bansal Oxford & IBH Publishing Co, New Delhi, Bombay, Calcutta.
5. Theoretical Hydrodynamics by L.M. Milne Thomson, McMillan, London.
6. Viscometric flows of Non-Newtonian Fluids by B. D. Coleman, H. Markovitz and W. Nell, Springer-Verlag New York Inc. 1996.



**COURSE : MATH - 304**  
**NUMERICAL ANALYSIS**

**Credits: 4**

**Block – 1**

**Marks-16**

Matrix Algebra: Matrix inversion, solution of simultaneous equation by Gauss method of elimination, Gauss-Jordan method, Gauss-Siedal iteration methods. Gauss Jacobi, Crouts Methods.

**Block - 2**

**Marks-16**

Solution of algebraic and Transcendental Equations: The method of false position. Newton-Raphson method, method of iteration, bisection method, secant method.

**Block - 3**

**Marks-16**

Numerical Quadrature: Cote's formula, Trapezoidal quadrature, Simpson's quadrature, Weddle's quadrature. Gauss quadrature.

**Block - 4**

**Marks-16**

Solution of Differential Equations: Euler's method, Milne's Predictor-corrector method Runge-Kutta methods, finite difference method for first order equations, wave equations and diffusion equation.

**Block – 5**

**Marks-16**

Curve Fitting: Normal equations, least square method, Chebychev polynomials and curve fitting.

**Recommended Books:**

1. Computer Based Numerical Algorithms by E.V. Krishnamurthy and S.K. Sen, East-West Press Pvt.Ltd.
2. Numerical Mathematical Analysis by J.B. Scourbourough.
3. Introduction to Numerical Analysis by F. B. Hildebrand, Tata McGraw Hill.

**COURSE : MATH - 401**  
**FUNCTIONAL ANALYSIS**

**Credits: 4**

**Block 1: Normed Linear Spaces and Banach Spaces :** Definition, examples and basic properties, the Euclidean space  $E^n$ , the unitary space  $C_n$ , The space  $(n)$ ,  $l_p$ ; The space; The Sequence Space; The Function Space  $C[a, b]$ ; Theorems; Subspaces; Quotient Spaces. **Marks-15**

**Block 2: Bounded Linear Operators on Normed and Banach Space:** Definitions, Examples and Properties of Bounded Linear Operators, Spaces of Bounded Linear Operators, Open Mapping Theorem (Statement only) and its consequences; Closed Graph Theorem and its consequences. **Marks-20**

**Block 3: Bounded Linear Functionals on Normed and Banach Space:** Examples and properties of bounded linear functions; Dual Spaces; Hahn-Banach Theorem and its Consequences. **Marks-15**

**Block 4: Inner Product and Hilbert Spaces :** Definitions and basic properties of inner product spaces; and Hilbert spaces, orthogonality of vectors orthogonal complements and projection theorem; orthonormal set of vectors and Fourier analysis, complete orthonormal set. **Marks-15**

**Block 5: Linear Functionals and Linear Operators on Inner Product and Hilbert Spaces :** Bounded Linear functions, Hilbert-adjoint operators, self-adjoint operators; normal operators; unitary operators; Orthogonal Projection Operators. **Marks-15**

**Recommended Books:**

1. P. K. Jain, O.P. Ahuja, and K. Ahmed, Functional Analysis, New Age International (P) Limited.
2. B. Choudhary and S. Nanda, Functional Analysis with Applications. New Age International (P) Limited.
3. E. Kreyszig, Introductory Functional Analysis with Applications, John Wiley & Sons, New York.
4. B. V. Limaye, Function Analysis Wiley Eastern Ltd.
5. I. J. Maddox, Elements of Functional Analysis, Cambridge University Press.

**COURSE : MATH - 402**  
**COMPUTER PROGRAMME**  
**Credits: 4**

**Block 1** **Marks-10**

Introduction to C- Programming.  
 Basic Programming concept.  
 The programming to solving problem : Flowcharts, Algorithm.

**Block 2** **Marks-10**

Variables : Data types.  
 Input and output statements.  
 Samples of Simple C- programme Errors.

**Block 3** **Marks-15**

Operators : Arithmetic Operators, comparison operators, Logical operators, precedence among the different types of operators, the parenthesis.

**Block 4** **Marks-10**

If statement, IF ..... ELSE statement, multiple criteria using AND and OR, nested Ifs, The DO case statement.

**Block 5** **Marks-15**

Loops: The WHILE loop, DO..... WHILE loop, REPEAT..... UNTIL loop, the FOR loop. Nested Loop, Breaking out of a loop, skipping a part of a loop.

**Block 6** **Marks-10**

Function : Subprograms, functions, standard functions, function Libraries.

**Block 7** **Marks-10**

Arrays : Declaring an array, Array elements strings as array, multidimensional array.

**Recommended Text Book and Reference Books:**

1. Programming in C. V. Rajaraman, Prentice Hall of India.

**COURSE : MATH - 403(A)****NUMBER THEORY****Credits: 4****Block – I****Marks-20**

Quadratic Residues: Quadratic residues, primitive roots, the Legendre symbol, Euler's criterion.

Gauss' lemma, the Law of quadratic reciprocity, Jacobi symbol.

**Block – II****Marks-20**

Diophantine equations: Equation  $ax+by=c$ , the equation  $x^2+y^2=z^2$  and  $x^4+y^4=z^4$  Fermat's last theorem. Representation of a number by sum of two squares, sum of three squares, Four square problem.

**Block – III****Marks-20**

Farey Fractions and Continued Fractions: Farey Sequence, Continued Fractions, Notion of Convergent and infinite Continued Fractions. Application to Equations, Quadratic Irrationals, Pell's equation, Fibonacci Numbers.

**Block – IV****Marks-20**

Algebraic Number: Algebraic number, Algebraic Number field, Algebraic integers.

Quadratic Field: Quadratic Fields, Units in Quadratic Field, Prime in Quadratic Field; Definition, units in quadratic field, prime in quadratic field.

**Recommended Books:**

1. A First Course in Theory of Numbers, By K. C. Chowdhury, Asian Books Pvt. Ltd. 2004.
2. An Introduction to the Theory of Numbers 3rd Edition by I. Niven and H.S. Zuckerman, Wiley Eastern Limited, 1972.

**COURSE : MATH - 404(A)****GRAPH THEORY****Credits: 4****Block - I****Marks-16**

Graph : Definition of Graph, Finite and infinite graphs, Incidence and degree, Isolated vertex, Pendant vertex, Null graph, a brief history of graph theory, Isomorphism 01' graphs Subgraphs, Walks, Paths, Circuits, Connected graphs, Disconnected graphs, Component, Euler graphs, Hamiltonian paths and circuits.

Trees, Some properties of trees, Pendant vertices in tree, Distance and centers in a tree, Rooted and binary trees, Labeled graph, Spanning tress, Finding all spanning trees of a graph.

**Block - II****Marks-16**

Operations On Graphs: Cut-sets, Some properties of a cut-set, Connectivity and separability, Blocks, Planar and non-planar graphs, Kuratowshi's two graphs.

Different representations of a graph, Matrix representation of graphs, Incidence matrix, Adjacency matrix, Graph matchings, Graph coverings.

**Block - III****Marks-16**

Directed Graphs: Definition of Directed graphs (digraph), Some types of digraphs, Digraphs and binary relations, Directed paths and connectedness, Acyclic digraphs and decyclization.

Enumeration of graphs, Types of enumeration. Counting labeled trees, Counting unlabelled tress.

**Block - IV****Marks-16**

Algorithms, Shortest-path algorithms, Shortest path form a specified vertex to another specified vertex, Shortest path between all pairs of vertices, Transitive closure of a digraph. Activity network, Topological sorting, Critical path, Graphs in Computer programming (basic concepts).

**Block - V****Marks-16**

Data Structures: Concept of Data structures, Data structure operations, Time-space tradeoff, Complexity of algorithms (Analysis of algorithms), Strings, String constants, String, variables, String operations, Word processing. Linear arrays, Representation of linear arrays in memory', Traversing linear arrays, Inserting and deleting in linear arrays. Pointers, Pointer arrays, Records, Record structures, Linked lists, Representations of linked lists in memory, Stacks, Array representation of stacks, Arithmetic expressions using stacks, Recursion, Oueues.

**Recommended Text and Reference Books:**

1. Graph theory with applications to engineering and computer science by Narshing Deo, Prentice-Hall of India Private Limited, New Delhi.
2. Theory and problems of data structures by Seymour Lipschutz, Schaum's online series, McGraw-Hill Book Company.
3. Graph Theory of F. Harary, Addison Wesley, 1969.
4. Data Structure and Algorithms by A. V. Aho, J.E. Hopcroft & J. D. Ulman, Addison Wesley, 1983.

**COURSE : MATH - 403(B)****OPERATOR THEORY****Credits: 4****Block – I****Marks-20**

Spectral Theory of linear operators in Normed Spaces: Spectral theory in Finite dimensional Normed spaces.

Basic concepts, Spectral properties of bounded linear operators Banach Algebra.

**Block - II****Marks-20**

Compact Linear operators and their spectrum: Compact linear operators in normed spaces.

Spectral properties of compact linear operators

**Block - III****Marks-20**

Spectral theory of bounded self-adjoint linear operators self-adjoint linear operators, positive operators, projection operators and their spectrum.

**Block – IV****Marks-20**

Unbounded Linear operator in Hilbert Spaces : Unbounded Linear operators and their Hilbert adjoint operators.

Symmetric and self adjoint operators, Closed linear operators and closures, Multiplication and Differentiation Operators.

**Recommended Books:**

1. Introductory Functional Analysis with Applications by Erwin Keryszing, John Wiley & Sons.

**COURSE : MATH - 404(B)****ABSTRACT ALGEBRA****Credits: 4****Block - I****Marks-20**

Modules and Vector Spaces : Definition and examples, Submodules and direct sums, Homomorphisms and quotient modules. Completely reducible modules; Free modules, Representation of linear mappings, Rank of a linear mapping.

**Block - II****Marks-20**

Normal and separable extensions: Splitting fields, Normal extensions, multiple roots, finite fields, Separable extensions.

**Block - III****Marks-20**

Galois Theory: Automorphism of Groups and fixed field, Fundamental theorem of Galois theory, Fundamental theorem of Algebra. Applications of Galois theory to classical problems: Roots of unity and cyclotomic polynomials, Cyclic extensions, Polynomials solvable by radicals, Ruler and compass constructions.

**Block - IV****Marks-20**

Chain condition on rings: Noetherian modules and rings, Hilbert basis theorem. Artinian modules and rings.

**Recommended Books:**

1. P.B. Bhattacharya, S.K. Jain, S.R. Nagpaul, Basic abstract algebra, Cambridge University Press, Indian edition.
2. I. N. Herstein, Topics in Algebra, Wiley eastern Ltd., New Delhi.
3. S. Singh and Q. Zameeruddin, Modern algebra, Vikas Publishing House Pvt. Ltd.
4. University Algebra, N.S. Gopalakrishna Wiley Eastern Ltd.

**COURSE : MATH 403(C)**  
**MAGNETOHYDRO DYNAMICS**

**Credits: 4**

**Block - I**

**Marks-16**

MHD APPROXIMATIONS: The electrical properties of fluid: the electric and magnetic field, Lorentz force, action at a distance, the low frequency approximations, energetic aspect of MHD, Magnetic energy.

**Block- II**

**Marks-20**

The Kinematic Aspects of MHD: The magnetic induction equation, the analogy with vorticity, Diffusion, and convection of magnetic field, Magnetic Reynolds number, the dynamo problem, Alfven's theorems, Cowlings problem, Ferraro's law of isorotation.

The two dimensional kinematic problem with field in the direction of no variation, the two dimensional kinematic problem with field in the direction of variation, the two dimensional kinematic problem with Current in the direction of no variation.

**Block- III**

**Marks-18**

The Magnetic Forces and Its Effects: The magnetic force and the inertia force, Magnetic stresses, Principal directions and stress.

Magnetohydrostatic, the linear pinch confinement scheme, the force free field, the magnetic force in moving fluid, invalidation of Kelvin's theorem on vorticity, the case of irrotational force per unit mass.

**Block - IV**

**Marks-16**

Boundary Conditions: Boundary conditions for magnetic field, boundary condition for current, boundary conditions for electric field, boundary condition on velocity.

**Block - V**

**Marks-10**

Linear Magnetohydrodynamics: Linearised MHD equations for (i) one dimensional case: The Steady Hartmann flow problems, Poiseuille type flow, Couette type flow, Linear Alfven Waves.

**Recommended Text and Reference Books:**

1. A Text Book of Magnetohydrodynamics by J. A. Schercliff. Academic Press.
2. An Introduction to Magneto-fluid Mechanics by V.C.A. Ferraro and C. Plumton Oxford, University Press.



**COURSE : MATH - 404 (C)**  
**NONLINEAR DYNAMICAL SYSTEM**

**Credits: 4**

**Block - I**

**Marks-16**

Nonlinear Systems and Bifurcation: Introduction to nonlinear system, origin of bifurcation theory, transcritical bifurcation, pitchfork bifurcation, Hopf bifurcation.

Classification of bifurcation of equilibrium points, classifications of bifurcation in one dimension, imperfections, classification of bifurcations in higher dimensions.

**Block - II**

**Marks-32**

Difference Equations: Introduction to difference equations, stability of fixed points, periodic solutions and their stability.

Attractors and volumes. The logistic equation, iterated maps of complex plane, logistic map, square map, Julia Set, Mandelbrot set.

**Block - III**

**Marks-32**

Ordinary Differential Equations: Autonomous system, nonautonomous system, Duffing equation, Hamiltonian systems, geometry of orbits, stability of periodic solution. Second order autonomous differential systems, linear systems.

The Liapounv's method of Proving stability and instability of equilibrium points, Liapounv's theorem. The Lindstedt-Poincare method, Limit cycles. The Poincare Bendixson theorem, vanderpol's equation.

**Recommended text Book:**

1. Nonlinear Systems by P. G. Drazin, Cambridge University Press, 1992.

**Reference Books:**

1. Nonlinear Dynamics and Chaos Geometric Methods for Engineers and Scientists. J. M. J. Thompson, H. B. Stewart John Wiley And Sons. New York.

## Research and Media Support Service

The Research and Media Support Service wing has been established with a twofold objective to facilitate in house research Distance Education as well as supplement the distance learners with multi-media facilities. It includes information about the various events organized by the Directorate, assisting in administrative works, support with ICT tools etc.

Media Support Service provides supplementary support to the Learners as follows:

*Radio Programmes GYANMALINEE:* On every Thursday at 8pm from All India Radio, Dibrugarh Centre, (M/W- 521.1)

*Multi-media CDs:* The Directorate has decided to provide its learners with course related Video CDs, which may give a good support to the learning process of the learners.

*Bulk SMS:* The Bulk SMS to the learners providing information regarding Counselling programmes, Personal Contact programmes, Assignments, Date and Results of Examination, other Administrative and Examination related information and so on. Updating all the necessary information in the website [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in)

*Internet facility:*

All enrolled learners of the Directorate can avail the facility of the computer laboratory with internet facility in the HQs of the Directorate. Moreover, they can update themselves by logging in the website of the Directorate.

### **Faculty and support staff requirement:**

There is one full-time faculty for this programme at DODL, DU and will take the help and services from the faculties of parent department and from the faculties of nearby Colleges.

Office Staff: One office assistant, One peon.

### **Learner Support Service:**

- *Study Materials*  
The Directorate has prepared all the study materials in the Self learning material (SLM) format in coordination with the course writers and editors through the help of the workshops sponsored by Distance Education Council, IGNOU, New Delhi.
- *Personal Contact Programmes / Counselling Programmes*  
Directorate conducts weekend counselling for its learners. These weekend counsellings can be availed by willing learners on payment of minimal fees which will be notified by the directorate in the induction meeting. The personal contact programmes for undergraduate courses shall be provided by the study centers and the coordinators will inform the schedules to the learners enrolled at their respective study centers.
- *Induction Meet*  
The DODL organizes one day Induction Meet for the learners before commencement of counselling Sessions of first semester to give a clear map of the open and distance learning . It is a two way interactive meet.
- *Learners meet*  
The DODL organizes one day learners meet to address their different problems related to their process of learning.
- *Assemblaze*  
The Cultural and Sports confluence are organized at DODL for the learners annually.

**(f) Procedure for admissions, curriculum transaction and evaluation:**

- ***Admission procedure:***

- (i) Graduates (10 + 2 + 3 pattern) from any recognized university in the Major or Honours or General courses may apply for admission into a post-graduate course offered in Distance Education, D.U. and get themselves registered as learners of Distance Education, D.U.
- (ii) Provisionally admitted learners shall have to produce the transcript issued by the institution last attended or, the original mark sheet and other testimonials for verification at the Office of the DODL, D.U. as and when call for. On production of transcript/original mark sheet and other testimonials, their admission to the DODL, D.U. will be confirmed latest by January.
- (iii) Students admitted shall be issued enrolment no.
- (iv) Notwithstanding any rules and procedures, a student may be refused admission if his/her past conduct in the educational institution last attended has not been satisfactory. A student who has been expelled/ rusticated or disqualified by the university may also be refused admission.
- (v) Admission of a student can be cancelled at any stage if it is found that he/she furnished incorrect information or has suppressed facts to secure admission. If any dispute arises out of such refusal/ cancellation, the decision of the Vice-chancellor, D.U. shall be final.
- (vi) The fees for the Post-Graduate Programmes in Distance Education shall be fixed by the university from time to time. Such fee shall include Admission Fee, Counseling Fee, Course Material Fee, Postal charges etc., payable in single installment at the time of admission. No cash deposition of fees shall be considered. Fees shall be accepted only in the form of a demand draft. Otherwise online payment mode of fees is highly recommended.
- (vii) The subject taken for M. A. / M. Com. programme may not necessarily be one of the subjects in his/her degree course. The candidate may be allowed to appear in any subject having relevant/ allied subject at the degree level.
- (viii) Mathematics in Degree level is a mandatory requirement for the learner who wants to take admission into the M.A. / M.Sc. Programme in Mathematics.
- (ix) A Master Degree holder under Distance Education may be allowed to appear at the Master Degree Examination again in a different programme or group if otherwise eligible. But two simultaneous degree of any kind in any mode of education in the same institution or /and in different institution shall not be allowed.
- (x) Medium of Instruction (course materials & counseling) and Examination for the courses shall be English except for M.A. in language subjects.
- (xi) Study materials with Guidelines will be supplied to a student within a month from the last date of admission.

Admission notices/advertisements for various programmes of the Directorate of Open and Distance Learning, Dibrugarh University, are published in leading newspapers, both English and Assamese, at least forty-five days prior to the date of admission. Other than the DODL website [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in), it is also notified in the Dibrugarh University website, [www.dibru.ac.in](http://www.dibru.ac.in). Candidates are to apply in the prescribed Application form only. Apart from the online admission process, the admission form along with the Prospectus for offline mode can be downloaded from the website [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in).

- **Admission Fees:**

Rs 2500 (Course Fee / Semester) + 900 (Counseling Fee / Semester) + 400 (Enrolment Fee for the entire period of study to be paid only at the time of first entry level) + 300 (Gymkhana Fee for the entire period of study to be paid only at the time of first entry level)\*.

\* The Gymkhana Fee of Rs. 300/- is meant only for the learners of Dibrugarh University DODL Study Centre and the same goes to the University General Fund use explicitly for Student Activities.

- **Schedule of Programme:**

A Post-Graduate programme under Distance Education shall be conducted in four parts – (Semester I, Semester II, Semester III and Semester IV). The schedule for the Distance Education System shall be as shown below:

- (i) Odd Semesters (i.e., First and Third) :      July to December  
(including End Semester Examinations)
- (ii) Even Semesters (i.e., Second and Fourth):      January to July  
(including End Semester Examinations)

The total marks in a Post-Graduate Programme in Distance Education shall be as follows:

- a) All the M.A. /M.Sc. / M.Com. Programmes of DODL, D.U. are of 2-years duration and the total credit ranges from 64-72.
- b) Total marks for the two years M.A. /M.Sc. / M.Com. Programmes of DODL, D.U. shall be 1600 per programme.
- c) 20% of the marks in each course shall be assessed through assignments.
- d) Rest 80% of the marks in each course (paper) shall be assessed through University End Semester Examination.

The syllabus for each course (paper) shall be divided into block and units keeping in view the Credit value of the course. The norms for delivery of courses through distance mode are as under:

Credit Value of the course	Study input (hours)	Size of SLMs (unit)	No. of Counselling Sessions Theory (10% of total Study hours)	* Practical Session (hours)
2 credits	60	6 – 8	6	60
3 credits	90	10-12	9	90
4 credits	120	14 – 16	12	120
6 credits	180	20 – 24	18	180

\* Some Programmes have practical component also. Practicals are held at designated institutions/ study centres for which schedule is provided by the study centre. Attendance at practical is compulsory.

• **Assignment:**

- (i) Assignment shall be a compulsory component of the evaluation process.
- (ii) 20% of the each course (paper) shall be assessed through Assignments (Inter Assessment – In Semester Examination). Rest 80% of the marks in each course (paper) shall be assessed through University End Semester Examination
- (iii) The assignments to be submitted by a student would depend upon the Credit value of the Course, as follows:

Credit value of the course	No. of Assignments
2 Credits	1
3 credits	2
4 credits	2
6 credits	2

- (iv) A candidate may submit assignments in the office of the Directorate of Distance Education or at the Study Centres within the stipulated time. Subsequently the study centres shall transmit all the assignments programme-wise and course-wise to the office of the DODL for assessment.
- (v) Marks secured on the assignments by the candidates, who appeared in the examinations but failed, shall be carried over to the next permissible chances.
- (vi) Marks secured on the assignments by the candidates who filled in the examination forms but did not appear in the examination, shall also be carried over the next permissible chances.
- (vii) A candidate who fails to submit the assignments as per clauses shall be awarded zero in the In Semester Examination in the course where assignment(s) is (are) not submitted.

- (viii) The Internal Assessment evaluation system for the Post Graduate Programme under DODL, Dibrugarh University shall also be assessed and evaluated in OMR (Optical Marks Response) Sheet through Multiple Choice Objective Type Questions and Answers by conducting mid-term examinations.

- ***Examination and Evaluation***

- (i) Examination and Evaluation shall be done on a continuous basis.
- (ii) There shall be 20% marks for internal assessment (In Semester) and 80% marks for End Semester Examination in each course during every Semester.
- (iii) There shall be no provision for re-evaluation of the answer-scripts of the End Semester Examinations. However, a candidate may apply for re-scrutiny.
- (iv) Internal assessment is assignment based or OMR based.
- (v) End Semester Examination:
  - (a) There shall be one End Semester Examination carrying 80% marks in each course of a Semester covering the entire syllabus prescribed for the course. The End Semester Examination is normally a written / laboratory-based examination.
  - (b) The Controller of Examinations shall then make necessary arrangements for notifying the dates of the End Semester Examinations and other procedures as per Dibrugarh University Rules (at least 20 days in advance) and the Academic Calendar / Date Sheet notified by the University / DODL, Dibrugarh University.
  - (c) The End Semester Examination for each course shall be of three hours duration.
  - (d) Setting of question papers, moderation of question papers, evaluation of answer scripts, scrutiny, tabulation of marks etc. and announcement of result of results, shall be governed by the Dibrugarh University Examination Ordinance 1972 (as amended up to date).
- (vi) Betterment Examination:
  - (a) A learner shall be entitled to take the “Betterment Examination” in any two theory courses of any of the four semesters after passing the Fourth Semester Examination only once. In this case the higher marks secured by the student shall be retained. The learner shall have to apply for betterment examination within one year after passing the Fourth Semester Examination.
  - (b) No betterment shall be allowed in the practical examination.
- (vii) A learner shall be declared as passed a course, provided he / she secures –
  - (a) at least 45% marks in each course (paper) in the End Semester Examination.
  - (b) at least 45% marks in the course (paper) in aggregate in the In-and End-Semester Examination.
- (viii) A learner shall be declared as passed a Semester, provided he / she passes all the courses of a Semester independently.
- (ix) The marks of In – Semester Examinations (i.e., Internal Assessment) obtained by the learner shall be carried over for declaring any result.

- (x) A learner who fails or does not appear in one or more courses of any End Semester Examinations up to Fourth Semester shall be provisionally promoted to the next higher Semester with the failed course(s) as carry over course(s). Such learners will be eligible to appear in the carry over course in the next regular examinations of those courses. However, the following restrictions shall be applicable:

**“A learner shall be entitled to avail the chance for a maximum of 5 consecutive years from the date of admission to clear a course or courses as well as the whole programme”.**

- (xi) If a learner clears the Fourth Semester Examination before clearing all the courses of the previous semesters, the result of such candidate shall be kept withheld and his / her results shall be announced only after he / she clears the courses of the previous semesters.
- (xii) A learner must pass all his / her Semester Examinations within 5 years from the date of admission to the First Semester of any programme.
- (xiii) A learner shall be declared to have passed the Fourth Semester M.A. / M. Sc. / M. Com. Degree Programme provided he / she has passed all the Semesters and in all the course separately.
- (xiv) The system of evaluation in DODL, D.U. is different from that of the Conventional Department of the University. It has a multi-tier system of evaluation:
- Self-assessment exercise within each unit of study.
  - Continuous evaluation mainly through assignments and/or Internal Assessment Examination through Multiple Choice Questions (MCQ) using OMR sheet.
  - Term-end examination.
  - Project work (Programme specific).
- (xv) The marks secured by a student in the Assignment / IA – In Semester Examination (20% of each course) is added with the marks secured in that course in End Semester examination which is 80% of the course.
- (xv) The following scale of grading system shall be applied to indicate the performance of students in terms of letter grade and grade points as given below:

% of marks obtained in a course (Assignment + Term End)	Letter Grade	Grade Point	Qualitative Level
Above 95	O	10	Outstanding
85 – < 95	A <sup>+</sup>	9	Excellent
75 – < 85	A	8	Very Good
65 – < 75	B <sup>+</sup>	7	Good
55 – < 65	B	6	Above Average
50 – < 55	C	5	Average
45 – < 50	P	4	Pass
Below 45	F	0	Fail
0	Abs/I	0	Absent / Incomplete

- (xvi) The letter Grade 'B<sup>+</sup>' and above shall be considered First Class; the Letter Grade (s) 'B' to 'P' shall be considered as Second Class. However, letter Grade 'B' shall be considered as Second Class with minimum of 55% marks.
- (xvii) A learner is considered to have completed a course successfully and earned Letter Grade other than 'F' (Failed) or Abs / I (Absent / Incomplete).
- (xviii) If a learner secures 'F' Grade in a Course, he / she shall have to reappear in the Course in the next legitimate chance.
- (xix) Result of the learners appeared in the 'Betterment' examination shall not be counted for the award of Prizes / Medals / Rank or Distinction.
- (xx) A learner shall have to pay a prescribed fee to appear in the 'Betterment' Examination fixed by the University from time to time.

- **Conversion of Marks to Grades and Calculation of GPA (Grade Point Average)**

In the Credit and Grade Point System, the assessment of individual courses in the concerned examinations will be on the basis of marks only, but the marks shall later be converted into Grade by some mechanism wherein the overall performance of the learners can be reflected after considering the Credit Points for any given course. However, the overall evaluation shall be designated in terms of Grade. There are some abbreviations used here that need understanding of each and every parameter involved in grade computation and the evaluation mechanism. The abbreviation and formulae used are as under:

➤ **Abbreviations and Formula's Used:**

G : Grade

GP : Grade Points

C ; Credits

CP : Credit Points

CG : Credit X Grade (Product of Credit & Grades)

Σ CG : Sum of Product of Credits & Grade Points

Σ C : Sum of Credit Points.

$$\text{GPA} = \frac{\Sigma \text{CG}}{\Sigma \text{C}}$$

GPA : Grade Point Average shall be calculated for each Previous and Final Year Examination.

CGPA : Cumulative Grade Point Average shall be calculated for the entire programme by considering both Previous & Final Year taken together. It shall be calculate by the formula given below:

$$\text{CGPA} = \frac{\sum C_{ni} G_{ni}}{\sum C_{ni}}$$

Here,



- $C_i$  = number of credit for the  $i^{\text{th}}$  course,  
 $G_i$  = grade point obtained in the  $i^{\text{th}}$  course,  
 $C_{ni}$  = number of credit if the  $i^{\text{th}}$  course  $n^{\text{th}}$  the year,  
 $G_{ni}$  = grade point of the  $i^{\text{th}}$  course of the  $n^{\text{th}}$  year

After calculating the GPA for an individual year and the CGPA for the entire Programme, the value can be matched with the grade in the Grade Point table in (xvi) above

\* GPA and CGPA shall be rounded off to 2 decimal points and reported to the Grade Card (Sheet) and Transcript.

➤ **Conversion Formula:**

Ordinarily the CGPA earned by a student may be converted to percentage of marks by following the formula mentioned as under:

$$\text{CGPA} \times 10 = \text{Percentage of Marks}$$

➤ **Grade Card / Sheet (Reporting of Learners Performance):**

The Grade Card / Sheet issued at the end of end term examination to each learner shall contain the following:

- The marks obtained by a learner in each course,
- The credit earned for each course registered for that year,
- The performance in each course indicated by the letter grade,
- The Grade Point Average (GPA),
- The cumulative Grade Point Average (CGPA) and
- Conversion formula.

➤ **Transcript:**

The University may issue consolidated Transcript on request to the Controller of Examinations which shall contain letter grades, grade points, GPA and CGPA mentioning the Course Title in detail, medium of instruction and programme duration.

• **Rules for admission of Unsuccessful and Absentee Candidates**

Unsuccessful learners fails to complete programme within the stipulated time may take re admission in the programme by paying fees fixed by the University from time to time.

• **General:**

For any matter not covered under these Regulations for the Directorate of Open and Distance Learning, the existing Dibrugarh University Rules, Ordinances and the Dibrugarh University Act, 1965 (as amended ), The Dibrugarh University Examination Ordinance, 1972 (as amended up to date) and the Dibrugarh University Distance Education Ordinance, 2006 (amended up to date) shall be applicable.

**(g) Requirement of the laboratory support and Library Resources:**

The requirement of the Laboratory support does not arise as the M.Sc. in Mathematics programme does not have any practical component in the syllabus.

The Library resources are available for the learners in the Directorate of Open and Distance Learning (DODL), Dibrugarh University. There is a central Library (rechristened as Lakshminath Bezbaruah Granthagar) in the University with a present holding of 2,22,111 print volumes including books and rare publications.

There is also a small library at DODL, DU attached with a reading room for the distance learners. It has more than 5,500 textbooks and reference books regarding different subjects including Mathematics.

**(h) Cost estimate of the programme and the provisions:**

Keeping an eye on the number of applicants applying for the conventional Master Degree in English at Dibrugarh University and the yearly output of Degree learners with major in English from various affiliated Colleges under Dibrugarh University, it can be estimated that around six-seven hundred learners may seek admission to this Programme. If the cost estimate is calculated on 100 learners, the approximate cost is as follows:

Approximate earning (per 100 learners per annum)	= Rs. 720000/-
Development ( <i>SLM writing, editing, review, printing cost, recording, radio slots, remuneration, etc.</i> ):	= Rs. 450000/- (approx.)
Delivery ( <i>Postage, courier, door delivery, etc.</i> ):	= Rs. 20000/- (approx.)
Maintenance ( <i>Syllabus revision, SLM revision, Committee expenses, etc.</i> ):	= Rs. 10000/- (approx.)
Staff Payment and other Expenses	= Rs. 200000/- (approx.)
Total expenditure (approx.)	= Rs. 680000/-
Hence, total earning per 100 learners	= Rs. (720000.00 - 680000.00) = Rs. 40000.00

**(i) Quality assurance mechanism and expected programme outcomes:**

Need assessment and tracer studies will be conducted for quality assurance in terms of the Centre for Internal Quality Assurance. Moreover, revision and updating of material by obtaining feedback from learners and resource persons will be done. A high powered committee constituted with the Deans, HoDs, Subject Experts from the University Departments and the Directorate will also monitor the syllabus upgradation, curriculum design, and other pedagogical and academic aspects of all programmes of the Directorate of Open and Distance Learning, Dibrugarh University.

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## **PROGRAMME PROJECT REPORT**

**PROGRAMME – MASTER OF ARTS/SCIENCE (M. A./ M.Sc.) IN MATHEMATICS:  
SEMESTER MODE**

**PREPARED BY CIQA, DODL, DIBRUGARH UNIVERSITY FOR THE ACADEMIC  
SESSION 2020-21 ONWARDS**

### **PRESENTED BEFORE**

- The Second Meeting of CIQA Committee on 29.11.2019 for onward process

*Forwarded under report to the forthcoming meeting of BoM and BoS to  
recommend to the statutory bodies*

### **PLACED BEFORE**

- The 150<sup>th</sup> Meeting of the Post Graduate Board on 05.12.2019

### **RECOMMENDED BY THE**

- The 150<sup>th</sup> Meeting of the Post Graduate Board to the 118<sup>th</sup> Meeting of Academic Council for Approval

**APPROVED BY THE HON'BLE VICE CHANCELLOR UNDER REPORT TO THE  
ACADEMIC COUNCIL**

**PROGRAMME PROJECT REPORT (PPR)**  
**PROGRAMME:- M.A./M.SC. IN MATHEMATICS (SEMESTER MODE)**  
**PREPARED BY CIQA, DODL, DIBRUGARH UNIVERSITY FOR THE**  
**ACADEMIC SESSION 2020-21 ONWARDS**

**(a) Programme's mission & objectives:**

*Mission:*

To provide quality higher education in the field of Mathematics enabling learners to develop analytical aptitude and deep knowledge in the subject through open and distance learning mode without having to worry about the constraints of time and place.

*Objectives:*

The following are the main objectives of the Programme:

- To produce educated manpower for undertaking teaching, research and related activities in Mathematics and allied branches of basic or applied sciences by offering time flexibility needed to balance work and studies.
- To provide opportunities for continuing and developmental education by offering "second chance" to those who have had to discontinue their formal education in Mathematics or could not join regular colleges or universities owing to social, economic and other constraints.
- To provide opportunities to the large segments of the population who could not take admission in regular colleges or universities due to limitation of seat capacity and to other groups such as working people, women and persons who wish to acquire and upgrade their knowledge and skills in Mathematics.
- To provide opportunities to the Science and Engineering graduates passing Mathematics as one of the subjects who want to upgrade their qualification while being in their present jobs for career advancement.

**(b) Relevance of the program with HEI's Mission and Goals:**

The programme is highly relevant with the mission and goals of Dibrugarh University which aims to provide learners with an environment for critical thinking, for negotiating multiple perspectives and for creative problem solving.

**(c) Nature of prospective target group of learners:**

The target group of learners for the programme is those who have completed their graduation in Science, Engineering or other disciplines having Mathematics as one of the subjects. This group includes working people who want to upgrade their qualification for career advancement, learners who could not get the opportunity to pursue the programme in regular colleges and universities and other interested persons of different age groups who had to discontinue education after graduation.

**(d) Appropriateness of programme to be conducted in open and distance learning mode to acquire specific skills and competence:**

The programme is very much aligned with the vision of open and distance learning, particularly affirming the interconnection of self-learning and counselling to reach the unreached. Since, Mathematics is a subject which requires learners to spend a lot of time working independently to solve problem sets with occasional support from the counsellors, so it is highly suitable for Open and Distance Learning. After successfully completing the programme, the learners can compete for employment or research positions in government, industry and non-profit organizations.

**(e) Instructional design:**

The Programme in Mathematics is offered through Open and Distance Learning mode. The Programme has the required Self Learning Materials for each Course/Paper. Apart from the Self Learning Materials, Video CD and Recorded Lectures and Discussion are provided through Radio Broadcasting Programme ‘*Gyanmalinee*’. Moreover, face to face counselling, telephonic support and mobile app are also used in the teaching/learning mechanism.

The two year (four semester) M.Sc in Mathematics programme consist of fourteen (14) core courses and two (2) elective courses having four (4) credits in each, leading to a total of sixty four (64) credits. In the fourth semester out of four courses, two courses will be compulsory and two will be optional. Each course will include 2 assignments. The learners will have to earn 64 credits over a period of 2 to 4 years to successfully complete this programme.

**COURSE STRUCTURE:****FIRST SEMESTER****(All courses are compulsory)**

Course code	Course Name	No. of Assignments	Practical Sessions	Size of SLMs Range	No. of Counselling Sessions Theory (10% of total study hours)	Study input (in terms of hours)	Credit Value of the course
Math-101	Real Analysis	2	---	14 units	12	120	4
Math-102	Algebra and Logic	2	---	16 units	12	120	4
Math-103	Differential Geometry	2	---	14 units	12	120	4
Math-104	Mechanics	2	---	15 units	12	120	4

**SECOND SEMESTER****(All courses are compulsory)**

Course code	Course Name	No. of Assignments	Practical Sessions	Size of SLMs Range	No. of Counselling Sessions Theory (10% of total study hours)	Study input (in terms of hours)	Credit Value of the course
Math-201	Complex Analysis	2	---	14 units	12	120	4
Math-202	Tensor	2	---	14 units	12	120	4
Math-203	Differential Equation and Integral Equation	2	---	16 units	12	120	4
Math-204	Inviscid Fluid Mechanics	2	---	15 units	12	120	4

**THIRD SEMESTER**  
(All courses are compulsory)

Course code	Course Name	No. of Assignments	Practical Sessions	Size of SLMs Range	No. of Counselling Sessions Theory (10% of total study hours)	Study input (in terms of hours)	Credit Value of the course
Math-301	Topology	2	---	14 units	12	120	4
Math-302	Measure theory	2	---	14 units	12	120	4
Math-303	Advanced Fluid Dynamics	2	---	16 units	12	120	4
Math-304	Numerical Analysis	2	---	15 units	12	120	4

**FOURTH SEMESTER**

Course code	Course Name	No. of Assignments	Practical Sessions	Size of SLMs Range	No. of Counselling Sessions Theory (10% of total study hours)	Study input (in terms of hours)	Credit Value of the course
Math-401	Functional Analysis	2	---	15 units	12	120	4
Math-402	Computer programme	2	---	14 units	12	120	4
<b><u>Optional paper ( Any one group – ‘A’, ‘B’ or ‘C’)</u></b>							
Math-403(A)	Number Theory	2	---	14 units	12	120	4
Math-404(A)	Graph Theory	2	---	15 units	12	120	4
Math-403(B)	Abstract Algebra	2	---	14 units	12	120	4
Math-404(B)	Operator Theory	2	---	16 units	12	120	4
Math-403(C)	Magneto-hydrodynamics	2	---	14 units	12	120	4
Math-404(C)	Non-linear Dynamical System	2	---	16 units	12	120	4

**Detailed syllabus:****Course Math - 101****Real Analysis****Credits: 4****Block I : Metric Spaces****Marks-25**

Metric space and its topology, Weistrass theorem, Compactness, Connectedness, Heine Borel theorem, Continuity and Compactness, Continuity and Connectedness, Uniform Continuity, Completeness.

**Block II : Riemann - Stieltjes Integral****Marks-25**

Definition and Existence of Riemann - Stieltjes Integral, Properties of the Integral, Integration and Differentiation, the fundamental theorem of calculus, Integration of vector-valued functions.

**Block III: Uniform Convergence****Marks-30**

Sequences and series of functions, Point wise and Uniform convergence, Cauchy criterion for uniform Convergence, Supremum test, Weistrass : M test, Uniform Convergence and Continuity, Uniform Convergence and Riemann-Stieltjes integration, Uniform Convergence and Differentiation, Weierstrass's approximation, theorem, Power series and uniqueness theorem for power series.

**Recommended Books:**

1. S.C. Malik and S. Arora, Mathematical Analysis, New Age International (P) Ltd.
2. Walter Rudin, Principles of Mathematical analysis, McGrawHill.
3. T.M. Apostol, Mathematical Analysis, Narosa Publishing House, New Delhi.



**Course Math - 102**  
**Algebra and Logic**  
**Credits: 4**

**Algebra**

**Block I :**

**Marks-16**

Conjugate Elements, Class equations of finite groups, Structure Theory of Groups, Sylow's theorem, Cauchy's theorem on order of a finite group, Finite Abelian groups, Solvable Groups.

**Block II :**

**Marks-20**

Polynomial rings, Factorization in  $R(x)$ , Factorization theory in Integral Domains, Euclidian Domain, Unique Factorization Domain, Algebraic Extension of Fields.

**Block III:**

**Marks-20**

Vector Spaces and Subspaces, Basis and Dimensions, Linear Mappings, matrices and linear operators, Linear functionals and the dual space.

**Logic**

**Block IV:**

**Marks-12**

The propositional Calculus sentential connectives, truth tables, tautologies, adequate sets of connectives, Validity, consequence, applications of the statement calculus.

**Block V :**

**Marks-12**

Symbolizing everyday language, quantifiers, interpretations, satisfiability and truth, Models validity, consequences.

**Recommended Books:**

1. Basic Abstract Algebra by P.B. Bhattacharya, S.K. Jain, S.R. Nagpaul, Cambridge University Press.
2. Modern Algebra by Surjeet Singh and quazi Zamiruddin, Vikash Publications.
3. Scahum's Outline of Theory and Problems of Linear algebra by S. Lipschutz. Mc Graw - Hill Book Co.
4. Introduction to Mathematical logic by Van Nostrand.
5. Set Theory and Logic by Robert R. Stoll.

**Course Math - 103**  
**Differential Geometry**  
**Credits: 4**

**Block 1:** Space curves, tangent plane, Normal Plane, Osculating plane, principal normal, binormal, rectifying plane, curvature, torsion, screw curvature, Serret Frenet formula, helices. **Marks-12**

**Block 2:** Fundamental of space curves, uniqueness theorem, osculating circle, osculating sphere, involute and evolute, spherical indicatrix and Bertrand curves. **Marks-12**

**Block 3:** Different forms of surfaces, order of contact between, curves and surfaces. Class of a surface, regular and singular points on a surface, curvilinear, co-ordinates, parametric curves, tangent plane and normal. **Marks-14**

**Block 4:** One parametric family of surfaces, characteristics, envelope, edge of regression.  
 Ruled surface, developable surface, developable associated with a surface curve, osculating developable, polar developable, rectifying developable, two parameters family of surface. **Marks-14**

**Block 5:** Fundamental Forms : First order magnitude, first fundamental form, second fundamental forms, geometric interpretation of the second fundamental form, Weinarten equation. Family of curves, angle between two directions, orthogonal trajectories. **Marks-14**

**Block 6:** Curves on a Surface: Normal section, Normal curvature, Meusnier's theorem, principal directions, principal curvature, mean curvature, Gaussian curvature, lines of curvature, Rodrigues's formula, Euler theorem.  
 First fundamental form, conjugate directions, asymptotic lines theorem of Beltramiand, geodesics, geodesic tangent, torsion and curvature of a geodesic, geodesic curvature and geodesic torsion, normal angle,  $k_g = k_n \tan w$ ,  $k^2 = k_g^2 + k_u^2$ . Liouville's formula for  $k_g$ . **Marks-14**

**Recommended Books :**

1. Differential Geometry by Weatherburn, Radha Publishing House.
2. Differential Geometry by Eisenhart, Princeton University Press.

**Course Math - 104****Mechanics****Credits: 4****Block I****Marks-16**

Rigid Body Motion : Eulerian Angles, Angular momentum and Kinetic Energy of the rigid body, motion about a point, method of solving problems of rigid body motion, Euler's equation of motion, torque free motion of a rigid body. Poinso't's geometrical description of motion of rigid body.

**Block II****Marks-16**

Lagrangian Formulation : Holonomic and non holonomic dynamical systems, rhenomic and scleronomic dynamical systems, generalized co-ordinates and degrees of freedom; generalised velocity, generalised forces.

Momenta and kinetic energy in terms of generalised velocities; D'Alembert's principle and Lagrange's equation of motion; generalised momenta and kinetic energy in terms of generalised velocities.

**Block III****Marks-24**

Technique of calculus of variation. Euler's Equation, the brachistochrone problem. The configuration space and the Hamilton's principle of least action, Derivation of Lagrange's equation from Hamilton's principle, Lagrange's equation of motion for nonholonomic systems. Conservation theorems and symmetry properties, the Routhian function, Lagrange's equation for small oscillation.

**Block IV****Marks-24**

Hamilton's Equation : Hamilton's canonical equation of motion, canonical variable, cyclic co-ordinates, canonical transformation, generating functions, Lagrange's and Poission's brackets. Integral invariants of Poincare. Hamilton Jacobi Theory : Hamilton's Principle function, Jacobi's complete integral, time-independent Hamilton Jacobi equation, separation of variables.

**Recommended Books:**

1. Classical Mechanics : by H Goldstein, Narosa publishing house, Delhi.
2. Classical Mechanics : by C.R. Mandal, Prentice Hall, New Delhi.
3. Dynamics Part II : by A.S. Ramsay, CBS Publisher, Delhi.
4. Classical Mechanics : by Gupta Kumar and Sharma, Meerut.

**Course Math - 201****Complex Analysis****Credits: 4****Block I : Complex Integration****Marks-35**

Complex integration, Cauchy-Goursat theorem, Morera's theorem, Cauchy's integral formula, Higher order derivatives, Cauchy's inequality, Lieuvillie's theorem, Fundamental theorem of algebra, Maximum modulus theorem, Schwarz lemma.

**Block II : Series****Marks-30**

Taylor series, Laurent series, Classification of singularities, residues, Cauchy's residue theorem, Evaluation of integrals, Rouchis theorem, argument principle .

**Block III: Conformal Mappings****Marks-15**

Bilinear transformation and its properties, conformal mappings and their properties.

**Recommended Books:**

1. R.V. Churchill & J.W. Browh, Complex Variables and Applications, 5th edition, 1990.
2. Murray R. Spiegel, Theory and problems of Complex variables (Schaum's Outline series), SI (Meric) edition, 1981.

**Course Math - 202****Tensor****Credits: 4**

**Block 1: Basic Concepts** : Summation convention, Kronecker delta, Generalized Kronecker delta.

Permutation symbols, Determinants in tensor notation, General curvilinear co-ordinates, Basic vectors and reciprocal base vectors, Examples. **Marks-16**

**Block 2: Tensor Algebra** : Absolute and relative tensors, Symmetric and skew-symmetric tensors, Addition and subtraction of tensors, Outer product, Contraction, Inner product, Quotient rule, Examples. **Marks-16**

**Block 3:** The line element, Metric tensor, Associated tensors, Length of a curve, magnitude of a vector, Angle between two vectors, Vector algebra in tensor notation, Physical components of a tensor, Examples. **Marks-16**

**Block 4: Christoffel symbols:** Definition of Christoffel symbols, Christoffel symbols in terms of metric tensors, Christoffel symbols in orthogonal co-ordinate systems, Examples. **Marks-16**

**Block 5: Covariant differentiation** : The covariant derivatives of tensors, Rules of covariant derivative, Gradient, Divergence, Curl and Laplacian in tensor notation, Riemann-Christoffel tensor, Examples. **Marks-16**

**Recommended Books :**

1. Vector and Tensor Analysis by Harry Lass, Mc Graw Hill Book Company.
2. Tensor calculus by Barry Spain, Radha Publishing House.
3. Vectors, Tensor and Basic equations of Fluid Dynamics by R. Aris, Dover Publication.

**Course Math - 203**  
**Differential Equations and Integral Equations**  
**Credits: 4**

**Block I : Differential Equations****Marks-44**

Ordinary Differential Equations : Initial-value problems. Boundary value problems, Existence and uniqueness theorem of the solution of  $dy/dx = f(x,y)$ . Sturm-Liouville boundary-value problems, Wronskian.

Partial Differential Equations of First & Second Order : Partial differential equations, Origins of first-order partial differential equations, Cauchy's problem for first-order equations, Linear equations of the first order, Integral surface passing through a given curve. Surface orthogonal to a given system of surfaces.

Nonlinear partial differential equations of the first order, Compatible systems of first-order equations, Charpit's method. Special types of first-order equations, Jacobi's method, Linear partial differential equations of second order with constant co-efficient, Characteristic curves of second-order equations, Reduction to canonical forms, Separation of variables, Solutions of nonlinear equations of the second order by Monge's method.

Laplace's Equation, The Wave Equation, The Diffusion Equation : The occurrence of Laplace's equation in Physics, Boundary value problems, Solution of Laplace's equation by separation of variables, The theory of Green's function for Laplace's equation.

The occurrence of the Wave equation in Physics, Elementary solutions of the one dimensional Wave equation, The occurrence of the Diffusion equation in Physics, Elementary solution of the Diffusion equation, Solution of the Diffusion equation by separation of variables.

**Block II : Integral Equations****Marks-36**

Volterra Integral Equations : Basic concepts, Relationship between linear differential equations and Volterra integral equations, Resolvent kernel of Volterra integral equation, Solution of integral equation by resolvent kernel. The method of successive approximations, Convolution-type equations, Volterra integral equations with limits  $(x - a)$ , Volterra integral equations of the first kind, Euler integrals, Abel's problem, Abel's integral equation and its generalizations, Volterra integral equations of the first kind of the convolution type.

Fredholm Integral Equations : Fredholm equations of the second kind. The method of Fredholm determinants, Iterated kernels, Constructing the resolvent kernel with the aid of iterated kernels, Integral equations with degenerate kernel, Characteristic numbers and eigenfunctions, Solution of homogeneous integral equations with degenerate kernel, Nonhomogeneous symmetric equations.

**Recommended Text Books :**

1. Differential equations by Shepley L. Ross, John Wiley & Sons.
2. Elements of partial differential equations by Ian. N. Sneddon, Mc Graw - Hill Book Company.
3. Problems and exercises in integral equations by George Yankovsky, MIR Publishers.
4. Differential Equations by George F. Simmons, Tata McGraw-Hill Publishing Company Limited, New Delhi.

**Course Math - 204**  
**Inviscid Fluid Mechanics**  
**Credits: 4**

**Block I****Marks-12**

KINEMATICS : Real and ideal fluid, velocity of a fluid at a point, stream lines and path lines, steady and unsteady flows, velocity potential, rotational and irrotational motions, local and particle rate of change, equation of continuity, examples, acceleration of a fluid at a point, general analysis of fluid motion.

**Block II****Marks-12**

EQUATIONS OF MOTION : Euler's equation of motion, Bernoulli's equation, steady motion under conservative forces, impulsive motion. circulation, Kelvin's circulation theorem.

**Block III****Marks-20**

GENERAL THEORY OF IRROTATIONAL MOTION :Potential flow, mean value of velocity potential, deductions from Green's theorem, kinetic energy of a liquid, Kelvin's minimum energy theorem, uniqueness theorems.

**Block IV****Marks-20**

MOTION IN TWO DIMENSION :Meaning of two dimensional flow, stream function complex potential for standard two dimensional flows, sources sinks and doublets, two dimensional image systems, Milne-Thomson circle theorem and its applications, Magnus effect, Blasius theorem, infinite circular cylinder in uniform stream with circulation.

**Block V****Marks-16**

AXI-SYMMETRIC MOTION IN THREE DIMENSION : Axi-symmetric flows, Stoke's stream function and its physical meaning, stationary sphere in a uniform stream, pressure on the surface of a sphere, thrust on a hemisphere, d'Alembert's paradox, stream lines, sphere moving with constant velocity in a liquid which is otherwise at rest, kinetic energy of the fluid.

**Recommended Text book and reference books :**

1. Text book of Fluid Dynamics by F. Chorlton, CBS Publishers & Distributions, 1999, 4596/1A, 11 Darya Ganj, New Delhi-1100052 (India).
2. A Treatise on Hydrodynamics Part by W.H. Besant and A.S.Ramsey, The English Language Book Society and G.Bell and Sons, Ltd., London.
3. Theoretical Hydrodynamics, by L.M. Milne Thomson, Macmillan & Co.
4. Modern Fluid Dynamics by N. Curle and H. J. Davies, Van- Nostrand Reinhold Company, 1968.

**COURSE : MATH - 301****TOPOLOGY****Credits: 4**

**Block 1: Topological spaces:** Definition and examples of topological spaces. Closed sets, Closure, Dense subsets, Neighbourhoods, Interior, exterior and boundary, accumulation points and derived sets, Bases and sub-bases Subspaces and relative topology, Product topology (only finite case), quotient topology, Continuous functions and homeomorphism. **Marks-25**

**Block 2: Separation and countability:** First and second countability spaces, Lindelöf's space. Separable spaces, Second countability and separability. Separation axioms  $T_0$ ,  $T_1$ ,  $T_2$ ,  $T_3$ ,  $T_4$ ; their characterization and basic properties. **Marks-20**

**Block 3: Compactness:** Compactness, Continuous function and compact sets, basic properties of compactness, compactness and finite intersection properties. **Marks-18**

**Block 4: Connectedness:** Connectedness spaces, connectedness on the real line, components, Pathwise connectedness. **Marks-17**

**Recommended Books:**

1. K. D. Joshi, Introduction to General Topology, Wiley Eastern Ltd.
2. M. G. Murdeswar, General Topology, Wiley Eastern Ltd.
3. James R. Munkres, Topology, A first course, Prentice Hall of India Pvt. Ltd., New Delhi.
4. George F. Simmons, Introduction to topology and Modern Analysis, Mc Graw-Hill Book Company.
5. B. C. Chatterjee, S. Ganguly, M.R. Adhikari, A textbook of Topology, Asian Books Pvt. Ltd.



**COURSE : MATH - 302****MEASURE THEORY****Credits: 4**

**Block 1: Measurable Sets:** Algebras and  $\sigma$ -algebras generated by a class of subsets, Outer measure, Lebesgue measure, measurable sets and their properties. Borel sets, Cantor's ternary set, characterization of measurable sets non measurable sets, Idea of measure in  $\mathbb{R}^2$  and  $\mathbb{R}^3$ . **Marks-30**

**Block 2: Measurable Functions:** Properties of measurable functions, step functions, characteristic functions, simple functions, continuous functions, set measure zero, Borel measurable function. Egoroff theorem, realization of non negative measurable functions as the Limit of an increasing sequence of simple functions: Lucin's theorem, Frechet theorem, convergence in measure. **Marks-30**

**Block 3: Lebesgue Integral:** Reimann Integrals, comparison to Lebesgue and Reimann integrable functions, Lebesgue integral of a simple function, Bounded convergence theorem. Integral of a non negative measurable Lebesgue integral, dominated convergence theorem. **Marks-20**

**Recommended Text Book and Reference Books:**

1. Real Analysis (ed -3) by H.L. Royden, Mc Millan, New York, 1988.
2. Measure and Integration by G.D. Berra, New Age International Publication, 1992.
3. Principles of Mathematical Analysis (ed-3) by W. Rudin, Mc Graw Hill, Khogakusha, International Students Edition, 1976.

**COURSE : MATH - 303**  
**ADVANCE FLUID DYNAMICS**

**Credits: 4**

**Block - I**

**Marks-15**

**Vortex Motion:** the vorticity vector, vector, vortex lines, Helmholtz's vorticity theorems, equation for the rate of change of vorticity, line vortices, image of a line vortex in an infinite plane, single infinite row of line vortices, Karman vortex street.

**Block- II**

**Marks-20**

**Equations of Motion for Viscous Flow:** Stress components in a real fluid, relation between Cartesian components of stress, translational motion of fluid element, stress analysis in fluid motion, relation between stress and rate of strain, the coefficient of viscosity and laminar flow.

The Navier-Stokes equation of motion of a viscous fluid, rate of change of circulation, diffusion of vorticity, energy dissipation due to viscosity, dimensional analysis, Reynolds number.

**Block - III**

**Marks-25**

**Exact Solutions Of Navier-Stokes Equation:** Parallel flow, Parallel flow through a straight channel, Couette flow and generalized Couette flow, Hagen-Poiseuille flow through a pipe, the flow between two concentric rotating cylinders. Flow due to a plane wall suddenly set in motions, unsteady flow between two parallel plates, Flow due to an oscillating plate.

**Block - IV**

**Marks-20**

**Two Dimensional Boundary Layer:** The boundary layer concept, boundary layer thickness, displacement, energy and momentum thickness, the phenomenon of separation and vortex formation.

Prandtl's boundary layer equations, similar solutions of the boundary layer equations, the boundary layer along a flat plate, the momentum and energy integral equations for the boundary layer.

**Recommended Books:**

1. Text book of Fluid Dynamics by F. Chorlton, CBS Publishers & Distributors, 4596/1-A, 11 Daryaganj, New Delhi-110002. Pages: 75, 76, 126, 127, 174, 207, 208, 310-314, 318-324, 338-345 for unit I & II.
2. Boundary Layer Theory written by Dr. Hermann Schlichting translated by Dr. J. Kestin, McGraw Hill Book Company Inc., New York.
3. An Introduction to Fluid Dynamics by R.K. Rathy, Oxford & IBH Publishing Co. Calcutta for Unit -V.
4. Viscous Fluid Dynamics by J.L. Bansal Oxford & IBH Publishing Co, New Delhi, Bombay, Calcutta.
5. Theoretical Hydrodynamics by L.M. Milne Thomson, McMillan, London.
6. Viscometric flows of Non-Newtonian Fluids by B. D. Coleman, H. Markovitz and W. Nell, Springer-Verlag New York Inc. 1996.

**COURSE : MATH - 304**  
**NUMERICAL ANALYSIS**

**Credits: 4**

**Block – 1**

**Marks-16**

Matrix Algebra: Matrix inversion, solution of simultaneous equation by Gauss method of elimination, Gauss-Jordan method, Gauss-Siedal iteration methods. Gauss Jacobi, Crouts Methods.

**Block - 2**

**Marks-16**

Solution of algebraic and Transcendental Equations: The method of false position. Newton-Raphson method, method of iteration, bisection method, secant method.

**Block - 3**

**Marks-16**

Numerical Quadrature: Cote's formula, Trapezoidal quadrature, Simpson's quadrature, Weddle's quadrature. Gauss quadrature.

**Block - 4**

**Marks-16**

Solution of Differential Equations: Euler's method, Milne's Predictor-corrector method Runge-Kutta methods, finite difference method for first order equations, wave equations and diffusion equation.

**Block – 5**

**Marks-16**

Curve Fitting: Normal equations, least square method, Chebychev polynomials and curve fitting.

**Recommended Books:**

1. Computer Based Numerical Algorithms by E.V. Krishnamurthy and S.K. Sen, East-West Press Pvt.Ltd.
2. Numerical Mathematical Analysis by J.B. Scourbourough.
3. Introduction to Numerical Analysis by F. B. Hildebrand, Tata McGraw Hill.

**COURSE : MATH - 401**  
**FUNCTIONAL ANALYSIS**

**Credits: 4**

**Block 1: Normed Linear Spaces and Banach Spaces :** Definition, examples and basic properties, the Euclidean space  $E^n$ , the unitary space  $C_n$ , The space  $(n)$ ,  $l_p$ ; The space; The Sequence Space; The Function Space  $C[a, b]$ ; Theorems; Subspaces; Quotient Spaces. **Marks-15**

**Block 2: Bounded Linear Operators on Normed and Banach Space:** Definitions, Examples and Properties of Bounded Linear Operators, Spaces of Bounded Linear Operators, Open Mapping Theorem (Statement only) and its consequences; Closed Graph Theorem and its consequences. **Marks-20**

**Block 3: Bounded Linear Functionals on Normed and Banach Space:** Examples and properties of bounded linear functions; Dual Spaces; Hahn-Banach Theorem and its Consequences. **Marks-15**

**Block 4: Inner Product and Hilbert Spaces :** Definitions and basic properties of inner product spaces; and Hilbert spaces, orthogonality of vectors orthogonal complements and projection theorem; orthonormal set of vectors and Fourier analysis, complete orthonormal set. **Marks-15**

**Block 5: Linear Functionals and Linear Operators on Inner Product and Hilbert Spaces :** Bounded Linear functions, Hilbert-adjoint operators, self-adjoint operators; normal operators; unitary operators; Orthogonal Projection Operators. **Marks-15**

**Recommended Books:**

1. P. K. Jain, O.P. Ahuja, and K. Ahmed, Functional Analysis, New Age International (P) Limited.
2. B. Choudhary and S. Nanda, Functional Analysis with Applications. New Age International (P) Limited.
3. E. Kreyszig, Introductory Functional Analysis with Applications, John Wiley & Sons, New York.
4. B. V. Limaye, Function Analysis Wiley Eastern Ltd.
5. I. J. Maddox, Elements of Functional Analysis, Cambridge University Press.

**COURSE : MATH - 402**  
**COMPUTER PROGRAMME**  
**Credits: 4**

**Block 1** **Marks-10**

Introduction to C- Programming.  
 Basic Programming concept.  
 The programming to solving problem : Flowcharts, Algorithm.

**Block 2** **Marks-10**

Variables : Data types.  
 Input and output statements.  
 Samples of Simple C- programme Errors.

**Block 3** **Marks-15**

Operators : Arithmetic Operators, comparison operators, Logical operators, precedence among the different types of operators, the parenthesis.

**Block 4** **Marks-10**

If statement, IF ..... ELSE statement, multiple criteria using AND and OR, nested Ifs, The DO case statement.

**Block 5** **Marks-15**

Loops: The WHILE loop, DO..... WHILE loop, REPEAT..... UNTIL loop, the FOR loop. Nested Loop, Breaking out of a loop, skipping a part of a loop.

**Block 6** **Marks-10**

Function : Subprograms, functions, standard functions, function Libraries.

**Block 7** **Marks-10**

Arrays : Declaring an array, Array elements strings as array, multidimensional array.

**Recommended Text Book and Reference Books:**

1. Programming in C. V. Rajaraman, Prentice Hall of India.

**COURSE : MATH - 403(A)****NUMBER THEORY****Credits: 4****Block – I****Marks-20**

Quadratic Residues: Quadratic residues, primitive roots, the Legendre symbol, Euler's criterion.

Gauss' lemma, the Law of quadratic reciprocity, Jacobi symbol.

**Block – II****Marks-20**

Diophantine equations: Equation  $ax+by=c$ , the equation  $x^2+y^2=z^2$  and  $x^4+y^4=z^4$  Fermat's last theorem. Representation of a number by sum of two squares, sum of three squares, Four square problem.

**Block – III****Marks-20**

Farey Fractions and Continued Fractions: Farey Sequence, Continued Fractions, Notion of Convergent and infinite Continued Fractions. Application to Equations, Quadratic Irrationals, Pell's equation, Fibonacci Numbers.

**Block – IV****Marks-20**

Algebraic Number: Algebraic number, Algebraic Number field, Algebraic integers.

Quadratic Field: Quadratic Fields, Units in Quadratic Field, Prime in Quadratic Field; Definition, units in quadratic field, prime in quadratic field.

**Recommended Books:**

1. A First Course in Theory of Numbers, By K. C. Chowdhury, Asian Books Pvt. Ltd. 2004.
2. An Introduction to the Theory of Numbers 3rd Edition by I. Niven and H.S. Zuckerman, Wiley Eastern Limited, 1972.

**COURSE : MATH - 404(A)****GRAPH THEORY****Credits: 4****Block - I****Marks-16**

Graph : Definition of Graph, Finite and infinite graphs, Incidence and degree, Isolated vertex, Pendant vertex, Null graph, a brief history of graph theory, Isomorphism 01' graphs Subgraphs, Walks, Paths, Circuits, Connected graphs, Disconnected graphs, Component, Euler graphs, Hamiltonian paths and circuits.

Trees, Some properties of trees, Pendant vertices in tree, Distance and centers in a tree, Rooted and binary trees, Labeled graph, Spanning tress, Finding all spanning trees of a graph.

**Block - II****Marks-16**

Operations On Graphs: Cut-sets, Some properties of a cut-set, Connectivity and separability, Blocks, Planar and non-planar graphs, Kuratowshi's two graphs.

Different representations of a graph, Matrix representation of graphs, Incidence matrix, Adjacency matrix, Graph matchings, Graph coverings.

**Block - III****Marks-16**

Directed Graphs: Definition of Directed graphs (digraph), Some types of digraphs, Digraphs and binary relations, Directed paths and connectedness, Acyclic digraphs and decyclization.

Enumeration of graphs, Types of enumeration. Counting labeled trees, Counting unlabelled tress.

**Block - IV****Marks-16**

Algorithms, Shortest-path algorithms, Shortest path form a specified vertex to another specified vertex, Shortest path between all pairs of vertices, Transitive closure of a digraph. Activity network, Topological sorting, Critical path, Graphs in Computer programming (basic concepts).

**Block - V****Marks-16**

Data Structures: Concept of Data structures, Data structure operations, Time-space tradeoff, Complexity of algorithms (Analysis of algorithms), Strings, String constants, String, variables, String operations, Word processing. Linear arrays, Representation of linear arrays in memory', Traversing linear arrays, Inserting and deleting in linear arrays. Pointers, Pointer arrays, Records, Record structures, Linked lists, Representations of linked lists in memory, Stacks, Array representation of stacks, Arithmetic expressions using stacks, Recursion, Oueues.

**Recommended Text and Reference Books:**

1. Graph theory with applications to engineering and computer science by Narshing Deo, Prentice-Hall of India Private Limited, New Delhi.
2. Theory and problems of data structures by Seymour Lipschutz, Schaum's online series, McGraw-Hill Book Company.
3. Graph Theory of F. Harary, Addison Wesley, 1969.
4. Data Structure and Algorithms by A. V. Aho, J.E. Hopcroft & J. D. Ulman, Addison Wesley, 1983.

**COURSE : MATH - 403(B)****OPERATOR THEORY****Credits: 4****Block – I****Marks-20**

Spectral Theory of linear operators in Normed Spaces: Spectral theory in Finite dimensional Normed spaces.

Basic concepts, Spectral properties of bounded linear operators Banach Algebra.

**Block - II****Marks-20**

Compact Linear operators and their spectrum: Compact linear operators in normed spaces.

Spectral properties of compact linear operators

**Block - III****Marks-20**

Spectral theory of bounded self-adjoint linear operators self-adjoint linear operators, positive operators, projection operators and their spectrum.

**Block – IV****Marks-20**

Unbounded Linear operator in Hilbert Spaces : Unbounded Linear operators and their Hilbert adjoint operators.

Symmetric and self adjoint operators, Closed linear operators and closures, Multiplication and Differentiation Operators.

**Recommended Books:**

1. Introductory Functional Analysis with Applications by Erwin Keryszing, John Wiley & Sons.



**COURSE : MATH - 404(B)****ABSTRACT ALGEBRA****Credits: 4****Block - I****Marks-20**

Modules and Vector Spaces : Definition and examples, Submodules and direct sums, Homomorphisms and quotient modules. Completely reducible modules; Free modules, Representation of linear mappings, Rank of a linear mapping.

**Block - II****Marks-20**

Normal and separable extensions: Splitting fields, Normal extensions, multiple roots, finite fields, Separable extensions.

**Block - III****Marks-20**

Galois Theory: Automorphism of Groups and fixed field, Fundamental theorem of Galois theory, Fundamental theorem of Algebra. Applications of Galois theory to classical problems: Roots of unity and cyclotomic polynomials, Cyclic extensions, Polynomials solvable by radicals, Ruler and compass constructions.

**Block - IV****Marks-20**

Chain condition on rings: Noetherian modules and rings, Hilbert basis theorem. Artinian modules and rings.

**Recommended Books:**

1. P.B. Bhattacharya, S.K. Jain, S.R. Nagpaul, Basic abstract algebra, Cambridge University Press, Indian edition.
2. I. N. Herstein, Topics in Algebra, Wiley eastern Ltd., New Delhi.
3. S. Singh and Q. Zameeruddin, Modern algebra, Vikas Publishing House Pvt. Ltd.
4. University Algebra, N.S. Gopalakrishna Wiley Eastern Ltd.

**COURSE : MATH 403(C)**  
**MAGNETOHYDRO DYNAMICS**

**Credits: 4**

**Block - I**

**Marks-16**

MHD APPROXIMATIONS: The electrical properties of fluid: the electric and magnetic field, Lorentz force, action at a distance, the low frequency approximations, energetic aspect of MHD, Magnetic energy.

**Block- II**

**Marks-20**

The Kinematic Aspects of MHD: The magnetic induction equation, the analogy with vorticity, Diffusion, and convection of magnetic field, Magnetic Reynolds number, the dynamo problem, Alfven's theorems, Cowlings problem, Ferraro's law of isorotation.

The two dimensional kinematic problem with field in the direction of no variation, the two dimensional kinematic problem with field in the direction of variation, the two dimensional kinematic problem with Current in the direction of no variation.

**Block- III**

**Marks-18**

The Magnetic Forces and Its Effects: The magnetic force and the inertia force, Magnetic stresses, Principal directions and stress.

Magnetohydrostatic, the linear pinch confinement scheme, the force free field, the magnetic force in moving fluid, invalidation of Kelvin's theorem on vorticity, the case of irrotational force per unit mass.

**Block - IV**

**Marks-16**

Boundary Conditions: Boundary conditions for magnetic field, boundary condition for current, boundary conditions for electric field, boundary condition on velocity.

**Block - V**

**Marks-10**

Linear Magnetohydrodynamics: Linearised MHD equations for (i) one dimensional case: The Steady Hartmann flow problems, Poiseuille type flow, Couette type flow, Linear Alfven Waves.

**Recommended Text and Reference Books:**

1. A Text Book of Magnetohydrodynamics by J. A. Schercliff. Academic Press.
2. An Introduction to Magneto-fluid Mechanics by V.C.A. Ferraro and C. Plumton Oxford, University Press.

**COURSE : MATH - 404 (C)**  
**NONLINEAR DYNAMICAL SYSTEM**

**Credits: 4**

**Block - I**

**Marks-16**

Nonlinear Systems and Bifurcation: Introduction to nonlinear system, origin of bifurcation theory, transcritical bifurcation, pitchfork bifurcation, Hopf bifurcation.

Classification of bifurcation of equilibrium points, classifications of bifurcation in one dimension, imperfections, classification of bifurcations in higher dimensions.

**Block - II**

**Marks-32**

Difference Equations: Introduction to difference equations, stability of fixed points, periodic solutions and their stability.

Attractors and volumes. The logistic equation, iterated maps of complex plane, logistic map, square map, Julia Set, Mandelbrot set.

**Block - III**

**Marks-32**

Ordinary Differential Equations: Autonomous system, nonautonomous system, Duffing equation, Hamiltonian systems, geometry of orbits, stability of periodic solution. Second order autonomous differential systems, linear systems.

The Liapounv's method of Proving stability and instability of equilibrium points, Liapounv's theorem. The Lindstedt-Poincare method, Limit cycles. The Poincare Bendixson theorem, vanderpol's equation.

**Recommended text Book:**

1. Nonlinear Systems by P. G. Drazin, Cambridge University Press, 1992.

**Reference Books:**

1. Nonlinear Dynamics and Chaos Geometric Methods for Engineers and Scientists. J. M. J. Thompson, H. B. Stewart John Wiley And Sons. New York.

## Research and Media Support Service

The Research and Media Support Service wing has been established with a twofold objective to facilitate in house research Distance Education as well as supplement the distance learners with multi-media facilities. It includes information about the various events organized by the Directorate, assisting in administrative works, support with ICT tools etc.

Media Support Service provides supplementary support to the Learners as follows:

*Radio Programmes GYANMALINEE:* On every Thursday at 8pm from All India Radio, Dibrugarh Centre, (M/W- 521.1)

*Multi-media CDs:* The Directorate has decided to provide its learners with course related Video CDs, which may give a good support to the learning process of the learners.

*Bulk SMS:* The Bulk SMS to the learners providing information regarding Counselling programmes, Personal Contact programmes, Assignments, Date and Results of Examination, other Administrative and Examination related information and so on. Updating all the necessary information in the website [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in)

*Internet facility:*

All enrolled learners of the Directorate can avail the facility of the computer laboratory with internet facility in the HQs of the Directorate. Moreover, they can update themselves by logging in the website of the Directorate.

### **Faculty and support staff requirement:**

There is one full-time faculty for this programme at DODL, DU and will take the help and services from the faculties of parent department and from the faculties of nearby Colleges.

Office Staff: One office assistant, One peon.

### **Learner Support Service:**

- *Study Materials*  
The Directorate has prepared all the study materials in the Self learning material (SLM) format in coordination with the course writers and editors through the help of the workshops sponsored by Distance Education Council, IGNOU, New Delhi.
- *Personal Contact Programmes / Counselling Programmes*  
Directorate conducts weekend counselling for its learners. These weekend counsellings can be availed by willing learners on payment of minimal fees which will be notified by the directorate in the induction meeting. The personal contact programmes for undergraduate courses shall be provided by the study centers and the coordinators will inform the schedules to the learners enrolled at their respective study centers.
- *Induction Meet*  
The DODL organizes one day Induction Meet for the learners before commencement of counselling Sessions of first semester to give a clear map of the open and distance learning . It is a two way interactive meet.
- *Learners meet*  
The DODL organizes one day learners meet to address their different problems related to their process of learning.
- *Assemblaze*  
The Cultural and Sports confluence are organized at DODL for the learners annually.

**(f) Procedure for admissions, curriculum transaction and evaluation:**

- ***Admission procedure:***

- (i) Graduates (10 + 2 + 3 pattern) from any recognized university in the Major or Honours or General courses may apply for admission into a post-graduate course offered in Distance Education, D.U. and get themselves registered as learners of Distance Education, D.U.
- (ii) Provisionally admitted learners shall have to produce the transcript issued by the institution last attended or, the original mark sheet and other testimonials for verification at the Office of the DODL, D.U. as and when call for. On production of transcript/original mark sheet and other testimonials, their admission to the DODL, D.U. will be confirmed latest by January.
- (iii) Students admitted shall be issued enrolment no.
- (iv) Notwithstanding any rules and procedures, a student may be refused admission if his/her past conduct in the educational institution last attended has not been satisfactory. A student who has been expelled/ rusticated or disqualified by the university may also be refused admission.
- (v) Admission of a student can be cancelled at any stage if it is found that he/she furnished incorrect information or has suppressed facts to secure admission. If any dispute arises out of such refusal/ cancellation, the decision of the Vice-chancellor, D.U. shall be final.
- (vi) The fees for the Post-Graduate Programmes in Distance Education shall be fixed by the university from time to time. Such fee shall include Admission Fee, Counseling Fee, Course Material Fee, Postal charges etc., payable in single installment at the time of admission. No cash deposition of fees shall be considered. Fees shall be accepted only in the form of a demand draft. Otherwise online payment mode of fees is highly recommended.
- (vii) The subject taken for M. A. / M. Com. programme may not necessarily be one of the subjects in his/her degree course. The candidate may be allowed to appear in any subject having relevant/ allied subject at the degree level.
- (viii) Mathematics in Degree level is a mandatory requirement for the learner who wants to take admission into the M.A. / M.Sc. Programme in Mathematics.
- (ix) A Master Degree holder under Distance Education may be allowed to appear at the Master Degree Examination again in a different programme or group if otherwise eligible. But two simultaneous degree of any kind in any mode of education in the same institution or /and in different institution shall not be allowed.
- (x) Medium of Instruction (course materials & counseling) and Examination for the courses shall be English except for M.A. in language subjects.
- (xi) Study materials with Guidelines will be supplied to a student within a month from the last date of admission.

Admission notices/advertisements for various programmes of the Directorate of Open and Distance Learning, Dibrugarh University, are published in leading newspapers, both English and Assamese, at least forty-five days prior to the date of admission. Other than the DODL website [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in), it is also notified in the Dibrugarh University website, [www.dibru.ac.in](http://www.dibru.ac.in). Candidates are to apply in the prescribed Application form only. Apart from the online admission process, the admission form along with the Prospectus for offline mode can be downloaded from the website [www.dodl.dibru.ac.in](http://www.dodl.dibru.ac.in).

- **Admission Fees:**

Rs 2500 (Course Fee / Semester) + 900 (Counseling Fee / Semester) + 400 (Enrolment Fee for the entire period of study to be paid only at the time of first entry level) + 300 (Gymkhana Fee for the entire period of study to be paid only at the time of first entry level)\*.

\* The Gymkhana Fee of Rs. 300/- is meant only for the learners of Dibrugarh University DODL Study Centre and the same goes to the University General Fund use explicitly for Student Activities.

- **Schedule of Programme:**

A Post-Graduate programme under Distance Education shall be conducted in four parts – (Semester I, Semester II, Semester III and Semester IV). The schedule for the Distance Education System shall be as shown below:

- (i) Odd Semesters (i.e., First and Third) :                      July to December  
(including End Semester Examinations)
- (ii) Even Semesters (i.e., Second and Fourth):                      January to July  
(including End Semester Examinations)

The total marks in a Post-Graduate Programme in Distance Education shall be as follows:

- a) All the M.A. /M.Sc. / M.Com. Programmes of DODL, D.U. are of 2-years duration and the total credit ranges from 64-72.
- b) Total marks for the two years M.A. /M.Sc. / M.Com. Programmes of DODL, D.U. shall be 1600 per programme.
- c) 20% of the marks in each course shall be assessed through assignments.
- d) Rest 80% of the marks in each course (paper) shall be assessed through University End Semester Examination.

The syllabus for each course (paper) shall be divided into block and units keeping in view the Credit value of the course. The norms for delivery of courses through distance mode are as under:

Credit Value of the course	Study input (hours)	Size of SLMs (unit)	No. of Counselling Sessions Theory (10% of total Study hours)	* Practical Session (hours)
2 credits	60	6 – 8	6	60
3 credits	90	10-12	9	90
4 credits	120	14 – 16	12	120
6 credits	180	20 – 24	18	180

\* Some Programmes have practical component also. Practicals are held at designated institutions/ study centres for which schedule is provided by the study centre. Attendance at practical is compulsory.

• **Assignment:**

- (i) Assignment shall be a compulsory component of the evaluation process.
- (ii) 20% of the each course (paper) shall be assessed through Assignments (Inter Assessment – In Semester Examination). Rest 80% of the marks in each course (paper) shall be assessed through University End Semester Examination
- (iii) The assignments to be submitted by a student would depend upon the Credit value of the Course, as follows:

Credit value of the course	No. of Assignments
2 Credits	1
3 credits	2
4 credits	2
6 credits	2

- (iv) A candidate may submit assignments in the office of the Directorate of Distance Education or at the Study Centres within the stipulated time. Subsequently the study centres shall transmit all the assignments programme-wise and course-wise to the office of the DODL for assessment.
- (v) Marks secured on the assignments by the candidates, who appeared in the examinations but failed, shall be carried over to the next permissible chances.
- (vi) Marks secured on the assignments by the candidates who filled in the examination forms but did not appear in the examination, shall also be carried over the next permissible chances.
- (vii) A candidate who fails to submit the assignments as per clauses shall be awarded zero in the In Semester Examination in the course where assignment(s) is (are) not submitted.

- (viii) The Internal Assessment evaluation system for the Post Graduate Programme under DODL, Dibrugarh University shall also be assessed and evaluated in OMR (Optical Marks Response) Sheet through Multiple Choice Objective Type Questions and Answers by conducting mid-term examinations.

- ***Examination and Evaluation***

- (i) Examination and Evaluation shall be done on a continuous basis.
- (ii) There shall be 20% marks for internal assessment (In Semester) and 80% marks for End Semester Examination in each course during every Semester.
- (iii) There shall be no provision for re-evaluation of the answer-scripts of the End Semester Examinations. However, a candidate may apply for re-scrutiny.
- (iv) Internal assessment is assignment based or OMR based.
- (v) End Semester Examination:
  - (a) There shall be one End Semester Examination carrying 80% marks in each course of a Semester covering the entire syllabus prescribed for the course. The End Semester Examination is normally a written / laboratory-based examination.
  - (b) The Controller of Examinations shall then make necessary arrangements for notifying the dates of the End Semester Examinations and other procedures as per Dibrugarh University Rules (at least 20 days in advance) and the Academic Calendar / Date Sheet notified by the University / DODL, Dibrugarh University.
  - (c) The End Semester Examination for each course shall be of three hours duration.
  - (d) Setting of question papers, moderation of question papers, evaluation of answer scripts, scrutiny, tabulation of marks etc. and announcement of result of results, shall be governed by the Dibrugarh University Examination Ordinance 1972 (as amended up to date).
- (vi) Betterment Examination:
  - (a) A learner shall be entitled to take the “Betterment Examination” in any two theory courses of any of the four semesters after passing the Fourth Semester Examination only once. In this case the higher marks secured by the student shall be retained. The learner shall have to apply for betterment examination within one year after passing the Fourth Semester Examination.
  - (b) No betterment shall be allowed in the practical examination.
- (vii) A learner shall be declared as passed a course, provided he / she secures –
  - (a) at least 45% marks in each course (paper) in the End Semester Examination.
  - (b) at least 45% marks in the course (paper) in aggregate in the In-and End-Semester Examination.
- (viii) A learner shall be declared as passed a Semester, provided he / she passes all the courses of a Semester independently.
- (ix) The marks of In – Semester Examinations (i.e., Internal Assessment) obtained by the learner shall be carried over for declaring any result.



- (x) A learner who fails or does not appear in one or more courses of any End Semester Examinations up to Fourth Semester shall be provisionally promoted to the next higher Semester with the failed course(s) as carry over course(s). Such learners will be eligible to appear in the carry over course in the next regular examinations of those courses. However, the following restrictions shall be applicable:

**“A learner shall be entitled to avail the chance for a maximum of 5 consecutive years from the date of admission to clear a course or courses as well as the whole programme”.**

- (xi) If a learner clears the Fourth Semester Examination before clearing all the courses of the previous semesters, the result of such candidate shall be kept withheld and his / her results shall be announced only after he / she clears the courses of the previous semesters.
- (xii) A learner must pass all his / her Semester Examinations within 5 years from the date of admission to the First Semester of any programme.
- (xiii) A learner shall be declared to have passed the Fourth Semester M.A. / M. Sc. / M. Com. Degree Programme provided he / she has passed all the Semesters and in all the course separately.
- (xiv) The system of evaluation in DODL, D.U. is different from that of the Conventional Department of the University. It has a multi-tier system of evaluation:
- Self-assessment exercise within each unit of study.
  - Continuous evaluation mainly through assignments and/or Internal Assessment Examination through Multiple Choice Questions (MCQ) using OMR sheet.
  - Term-end examination.
  - Project work (Programme specific).
- (xv) The marks secured by a student in the Assignment / IA – In Semester Examination (20% of each course) is added with the marks secured in that course in End Semester examination which is 80% of the course.
- (xv) The following scale of grading system shall be applied to indicate the performance of students in terms of letter grade and grade points as given below:

% of marks obtained in a course (Assignment + Term End)	Letter Grade	Grade Point	Qualitative Level
Above 95	O	10	Outstanding
85 – < 95	A <sup>+</sup>	9	Excellent
75 – < 85	A	8	Very Good
65 – < 75	B <sup>+</sup>	7	Good
55 – < 65	B	6	Above Average
50 – < 55	C	5	Average
45 – < 50	P	4	Pass
Below 45	F	0	Fail
0	Abs/I	0	Absent / Incomplete

- (xvi) The letter Grade 'B<sup>+</sup>' and above shall be considered First Class; the Letter Grade (s) 'B' to 'P' shall be considered as Second Class. However, letter Grade 'B' shall be considered as Second Class with minimum of 55% marks.
- (xvii) A learner is considered to have completed a course successfully and earned Letter Grade other than 'F' (Failed) or Abs / I (Absent / Incomplete).
- (xviii) If a learner secures 'F' Grade in a Course, he / she shall have to reappear in the Course in the next legitimate chance.
- (xix) Result of the learners appeared in the 'Betterment' examination shall not be counted for the award of Prizes / Medals / Rank or Distinction.
- (xx) A learner shall have to pay a prescribed fee to appear in the 'Betterment' Examination fixed by the University from time to time.

- **Conversion of Marks to Grades and Calculation of GPA (Grade Point Average)**

In the Credit and Grade Point System, the assessment of individual courses in the concerned examinations will be on the basis of marks only, but the marks shall later be converted into Grade by some mechanism wherein the overall performance of the learners can be reflected after considering the Credit Points for any given course. However, the overall evaluation shall be designated in terms of Grade. There are some abbreviations used here that need understanding of each and every parameter involved in grade computation and the evaluation mechanism. The abbreviation and formulae used are as under:

➤ **Abbreviations and Formula's Used:**

G : Grade

GP : Grade Points

C ; Credits

CP : Credit Points

CG : Credit X Grade (Product of Credit & Grades)

Σ CG : Sum of Product of Credits & Grade Points

Σ C : Sum of Credit Points.

$$\text{GPA} = \frac{\Sigma \text{CG}}{\Sigma \text{C}}$$

GPA : Grade Point Average shall be calculated for each Previous and Final Year Examination.

CGPA : Cumulative Grade Point Average shall be calculated for the entire programme by considering both Previous & Final Year taken together. It shall be calculate by the formula given below:

$$\text{CGPA} = \frac{\sum C_{ni} G_{ni}}{\sum C_{ni}}$$

Here,

- $C_i$  = number of credit for the  $i^{\text{th}}$  course,  
 $G_i$  = grade point obtained in the  $i^{\text{th}}$  course,  
 $C_{ni}$  = number of credit if the  $i^{\text{th}}$  course  $n^{\text{th}}$  the year,  
 $G_{ni}$  = grade point of the  $i^{\text{th}}$  course of the  $n^{\text{th}}$  year

After calculating the GPA for an individual year and the CGPA for the entire Programme, the value can be matched with the grade in the Grade Point table in (xvi) above

\* GPA and CGPA shall be rounded off to 2 decimal points and reported to the Grade Card (Sheet) and Transcript.

➤ **Conversion Formula:**

Ordinarily the CGPA earned by a student may be converted to percentage of marks by following the formula mentioned as under:

$$\text{CGPA} \times 10 = \text{Percentage of Marks}$$

➤ **Grade Card / Sheet (Reporting of Learners Performance):**

The Grade Card / Sheet issued at the end of end term examination to each learner shall contain the following:

- The marks obtained by a learner in each course,
- The credit earned for each course registered for that year,
- The performance in each course indicated by the letter grade,
- The Grade Point Average (GPA),
- The cumulative Grade Point Average (CGPA) and
- Conversion formula.

➤ **Transcript:**

The University may issue consolidated Transcript on request to the Controller of Examinations which shall contain letter grades, grade points, GPA and CGPA mentioning the Course Title in detail, medium of instruction and programme duration.

• **Rules for admission of Unsuccessful and Absentee Candidates**

Unsuccessful learners fails to complete programme within the stipulated time may take re admission in the programme by paying fees fixed by the University from time to time.

• **General:**

For any matter not covered under these Regulations for the Directorate of Open and Distance Learning, the existing Dibrugarh University Rules, Ordinances and the Dibrugarh University Act, 1965 (as amended ), The Dibrugarh University Examination Ordinance, 1972 (as amended up to date) and the Dibrugarh University Distance Education Ordinance, 2006 (amended up to date) shall be applicable.

**(g) Requirement of the laboratory support and Library Resources:**

The requirement of the Laboratory support does not arise as the M.Sc. in Mathematics programme does not have any practical component in the syllabus.

The Library resources are available for the learners in the Directorate of Open and Distance Learning (DODL), Dibrugarh University. There is a central Library (rechristened as Lakshminath Bezbaruah Granthagar) in the University with a present holding of 2,22,111 print volumes including books and rare publications.

There is also a small library at DODL, DU attached with a reading room for the distance learners. It has more than 5,500 textbooks and reference books regarding different subjects including Mathematics.

**(h) Cost estimate of the programme and the provisions:**

Keeping an eye on the number of applicants applying for the conventional Master Degree in English at Dibrugarh University and the yearly output of Degree learners with major in English from various affiliated Colleges under Dibrugarh University, it can be estimated that around six-seven hundred learners may seek admission to this Programme. If the cost estimate is calculated on 100 learners, the approximate cost is as follows:

Approximate earning (per 100 learners per annum)	= Rs. 720000/-
Development ( <i>SLM writing, editing, review, printing cost, recording, radio slots, remuneration, etc.</i> ):	= Rs. 450000/- (approx.)
Delivery ( <i>Postage, courier, door delivery, etc.</i> ):	= Rs. 20000/- (approx.)
Maintenance ( <i>Syllabus revision, SLM revision, Committee expenses, etc.</i> ):	= Rs. 10000/- (approx.)
Staff Payment and other Expenses	= Rs. 200000/- (approx.)
Total expenditure (approx.)	= Rs. 680000/-
Hence, total earning per 100 learners	= Rs. (720000.00 - 680000.00) = Rs. 40000.00

**(i) Quality assurance mechanism and expected programme outcomes:**

Need assessment and tracer studies will be conducted for quality assurance in terms of the Centre for Internal Quality Assurance. Moreover, revision and updating of material by obtaining feedback from learners and resource persons will be done. A high powered committee constituted with the Deans, HoDs, Subject Experts from the University Departments and the Directorate will also monitor the syllabus upgradation, curriculum design, and other pedagogical and academic aspects of all programmes of the Directorate of Open and Distance Learning, Dibrugarh University.

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**Programme Project Report (PPR) of**  
**Post Graduate Diploma in Computer Application (PGDCA) Programme:**  
**SEMESTER MODE**

**Directorate of Open and Distance Learning (DODL)**

**Dibrugarh University**

**RECOMMENDED TO THE STATUTORY BODY BY THE  
BoS IN COMPUTER SCIENCE HELD ON 19.03.2019**

**RECOMMENDED BY THE POST GRADUATE BOARD IN ITS 149<sup>TH</sup> MEETING  
HELD ON 24.04.2019 TO THE REGULATORY BODY**

***APPROVED BY THE 116<sup>TH</sup> MEETING OF ACADEMIC COUNCIL HELD ON  
30.04.2019***

## **Programme Project Report (PPR) of Post Graduate Diploma in Computer Application( PGDCA) Programme under DODL**

### **Programme's mission & objectives:**

The basic objective is to open door of admission for computing courses for students, who are graduate and interested in taking computing/IT as a career. After completing PGDCA programme, a learner should be able to get entry level job in the field of Information Technology both in government and private sector. Moreover PGDCA helps in giving additional benefit in finding a job. Now a days knowledge of computer is a must for everyone and in every field be it arts, commerce, science etc. So a learner can learn all the basics of computer as well as of database, programming etc. irrespective of their discipline.

### **Relevance of the program with HEI's Mission and Goals:**

Dibrugarh University is one of the educational centres of excellence, seeking to amalgamate multi-disciplinary fields with numerous theoretical perspectives, the realm of cultural diversity with the praxis of knowledge, and region-specific issues with a global horizon.

It is one of the premier institutes of North-East-India imparting computer education. Dibrugarh University initiated its journey of imparting computer education by establishing a Computer Centre in 1976. The Computer Centre was established with the objective of creating Computer awareness among the teachers, research scholars and employees of the University. It started Computer education by introducing a "Six-months Certificate Course on Computer Programming".

PGDCA course was introduced in the Parent Department in the year 2004. Considering the necessity of enabling the youths who wants to pursue a career in Computer Applications and who are either employed or self-employed and are unable to pursue a degree in Computer education due to economic or other reasons, the Directorate of Open and Distance Learning( DODL) has set the mission of introducing PGDCA programme and taking IT Education to the doorsteps of the learners. And likewise PGDCA programme was introduced in the year 2011.

### **Nature of prospective target group of learners:**

The target group is any candidate with a Bachelor or equivalent degree in any discipline from any recognized University .

**Appropriateness of programme to be conducted in Open and Distance Learning mode to acquire specific skills and competence:**

In today's 'Digital World', knowledge about computers is very important. It helps a student excel over others who do not have a diploma in Computer Application. The domain is growing at a rapid pace. In the 1990's with the advent of globalization computers grew in prominence and slowly started to replace the paper and files in office.

PGDCA is a one year diploma program spread across two semesters. Students will be taught subjects which are related to the technological applications that are required in today's practical work field.

**Instructional Design:**

Post Graduate Diploma in Computer Application (PGDCA) is a one year diploma programme. PGDCA programme is designed with the objective of providing knowledge and skills in the application of computer. The programme gives fundamental knowledge of computers, computational techniques and the core of programming. Learners will also be trained in the latest trends of Application Development, Programming Language and Database Management. All courses are compulsory.

The methodology of instruction in DODL will be different from that of the conventional universities. Distance Education system is more learner-oriented, and the student has to be an active participant in the teaching-learning process. Most of the instruction is imparted through a distance with only a small component of face-to-face communication. DODL follows a multi-channel approach for instruction. It comprises a suitable mix of:

- self-instructional printed material
- audio / video cassettes and CDs
- face-to-face counselling at Study Centres by academic counsellors
- reference library at study centre
- practicals
- teleconferencing
- Radio –Programmes through Gyan - Malini



**Proposed Course Structure for PGDCA programme under Distance Mode in Credit System:**

**Syllabus of PGDCA First Semester**

<b>Course code</b>	<b>Course Title</b>	<b>No. of assignments</b>	<b>Practical / Tutorial</b>	<b>No of Counselling sessions</b>	<b>Study Input</b>	<b>Credit</b>
PGDCA -101	Basic Information Technology	2	120 hours	12	120 hours	4
PGDCA -102	Programming Paradigm Using C, C++ (OOP concept)	2	120 hours	12	120 hours	4
PGDCA -103	Internet Technology E-Commerce	2	120 hours	12	120 hours	4
PGDCA -104	Laboratory	2	120 hours	12	120 hours	4
<b>Total</b>						<b>16</b>

**Syllabus of PGDCA Second Semester**

<b>Course code</b>	<b>Course Title</b>	<b>No. of assignments</b>	<b>Practical / Tutorial</b>	<b>No of Counselling sessions</b>	<b>Study Input</b>	<b>Credit</b>
PGDCA -101	System Analysis Design & MIS	2	120hours	12	120 hours	4
PGDCA -102	Relational Database Management System	2	120 hours	12	120 hours	4
PGDCA -103	Communication & Computer Network	2	120 hours	12	120 hours	4
PGDCA -104	Laboratory / Project	2	120 hours	12	120 hours	4
<b>Total</b>						<b>16</b>

**Total 8 courses and 32 credits**

## **Detail Syllabii for Post Graduate Diploma in Computer Application (PGDCA)**

### **Detail Syllabus of PGDCA 1<sup>st</sup> Semester**

#### **PGDCA – 101: BASIC INFORMATION TECHNOLOGY ( 4 credits; 14 units)**

##### **Block - 1**

##### **Information Concepts and Processing**

Date concepts, Elements of electronic data processing, Special applications, Number system in computers, Elements of a computer system, Classification computer systems, Concepts of hardware, Concepts of software and types. Concepts of storage devices and data communication equipment,

##### **Block - 2**

##### **Operation Systems (OS)**

Concepts, Overview of MS DOS, Windows, Unix

Programming Languages classification, Generation

Information Technology applications

##### **Block - 3**

##### **Use of PC Software**

Work Processing using MS Word

Spreadsheet using MS Excel

Power Point

**Laboratory syllabus:** Ms Dos Commands, Windows 98 higher versions, Basic UNIX Commands, MS Office.

##### **Books Recommended For Reading and Reference**

1. D.H. Sanders, Computers Today, McGraw Hill – 3<sup>rd</sup> Edition 1988
2. Ritchi, Operating System, BPB Publications
3. P.K. Sinha, Computer Fundamentals, BPB Publications 1992
4. TAXALI, PC Software made simple, TATA McGraw Hill

#### **PGDCA -102 Programming Paradigm Using C, C++ (OOP Concept) ( 4 credits; 14 units)**

##### **Block-1**

##### **Fundamental of Programming Construct**

Basic syntax and semantic of a higher level language

Variables, types, expression and assignment

Simple I/O

Conditional and iterative control structures

Functions and parameter passing

Structured decomposition

## **Block-2**

### **Overview of C Programming**

Fundamentals of C Programming

Structure of a C Program, Data types, Constants and Variables, Expressions, operators, Control Constructs, Functions, storage class specifiers for data types, Bit-operators, Type casting, Type conversion

## **Block-3**

### **Dynamic Data Structures in C**

Pointers, File handling, C Pre-processor, String functions, Mathematical functions, Date and time functions, Variable argument list functions, Utility functions, character class, test function etc.

## **Block-4**

### **Overview of OOP Concepts**

Overview of C++, Classes & objects, Constructor & Destructor, Function & operator overloading, Function overloading, operator overloading, Inheritance, etc.

*Laboratory syllabus:* C Programming

### **Books Recommended For Reading Reference**

1. Kanetkar, Let Us C, BPB
2. Balaguruswami, Object Oriented Programming with C++, TNH

## **PGDCA – 103 Internet Technology, E-Commerce**

**( 4 credits; 14 units)**

## **Block-1**

**Internet:** Evolution, protocols, interface concept, Internet vs Intranet, growth of Internet ISP, connectivity, - dial up, leased line, VSAT, etc. URLs, domain, portals, application, Email File Transfer Protocol, Telnet, Chatting, data transmission protocol, client/server architecture, and

its characteristics, ETP, and its usages, Telnet Concepts, remote logging, protocols, terminal emulation, message board, Internet chatting, voice chat, text chat.

### **Block-2**

World Wide Web, Web publishing, HTML, design tools, HTML edition, Image editors, issue in web site creation & maintenance, FTP s/w for uploading web site

Use of frames and forms in web pages.

### **Block-3**

Java Script

E Commerce: Introduction, concepts technology in E-Commerce, internet business, advantage of E-Commerce, application, feasibility and constrain.

***Laboratory syllabus:*** HTML Programming, JAVA Scripts

### **Books Recommended For Reading and Reference**

1. V.K. Jain, O Level Module – M 1.2 – Internet & Web Page Designing, BPB Publication
2. Alexix Leon and Mathews Leon, Internet for Everyone, Vikas Publishing House Pvt. Ltd. New Delhi

### **PGDCA – 104 : Laboratory ( 4 credits)**

(Practicals include from course 101,102 and 103)

## **Detail Syllabus of PGDCA 2<sup>nd</sup> Semester**

### **PGDCA – 201 System Analysis & Design & MIS ( 4 credits; 14 units)**

#### **Block-1**

**System Definition and Concepts,**

System Planning and Analysis,

Data and fact gathering techniques, Feasibility study,

#### **Block-2**

**System Design and Modelling,**

Structured charts, data flow diagrams, entity relationship diagrams,

### **Block-3**

**Management Information System**, Architecture and design of DSS and Expert systems, S/W tools for developing MIS applications.

#### **Books Recommended For Reading And Reference**

1. Elias M. Awad, System Analysis and Design, Golgotia Publications Pvt. Ltd.

### **PGDCA -202: Relational Data base Management System, ( 4 credits; 14 units)**

#### **Block-1**

Introduction & features SQL plus, Oracle Forms, report writer, Oracle forms, oracle graphics data manipulation in DBMS.

Oracle data types

Table

#### **Block-2**

**Data Constraints:** Computation n Expression list used to select data: Logical operators, range searching, pattern matching, Oracle functions, grouping data frame tables in SQL, manipulating data in SQL.

#### **Block-3**

**Joins:** Index views: Creation, updation, destroying, selections of data, renaming column of a view, granting permission, permission on the objects created by user, GRANT statements, Object privileges, referencing a tables belonging to another user, revoking permission given.

#### **Block-4**

PL/SQL

*Laboratory syllabus* SQL Commands

#### **Books Recommended for Reading and Reference**

1. Elmasri/Navathe, *Fundamentals of Database Systems*, Addison Wesley.

### **PGDCA – 203 Data Communication and Computer Network**

**( 4 credits; 14 units)**

#### **Block-1**

**Date Communication:** Theoretical basis of data communication, Analog and digital signals, asynchronous and synchronous transmission, Data encoding and modulation, techniques, Broadband and baseboard transmission, Pulse code modulation, bandwidth, channel, baud

rate of transmission, multiplexing, Transmission medium, transmission errors-error detection and correction.

### **Block-2**

Network Classification and Data Communication Services

### **Block-3**

Network Reference Models

Data link Layer Functions and Protocols

Network functions and protocols

### **Block-4**

Network application – File transfer protocol, electronic mail, Word Wide Web.

### **Books Recommended for Reading and Reference**

1. Tanenbaum, computer Networks, PHI

## **PGDCA – 204 MAJOR PROJECT (4 credits)**

Students will have to present a seminar based on project topic. They have to submit a project report and appear for Viva/Voce.

### **Procedure for admissions, curriculum transaction and evaluation:**

#### **Eligibility for Admission:**

- **Educational Qualification**

A candidate with a Bachelor or equivalent Degree in any discipline from any University recognized by Dibrugarh University.

1. Notification for admission into PGDCA programme shall be advertised about three months prior to the commencement of the programme.
2. Applicants seeking admission into the PGDCA programme shall have to submit all documents in original for verification at the time of admission.
3. The list of the admitted candidates shall be submitted by the approved study centres to the DODL. DU. For approval with the roll numbers allotted to them for their enrolment in (PGDCA) programme.

- **Fee Structure:** Rs 3500/-per semester

- Duration of the programme : Minimum: 1 Year

Maximum: 3 Years

### **Medium of Instruction**

1. English shall be the of instruction both in the classroom as well as in the University Examination.
2. The counselling sessions and including laboratories for PGDCA programme shall be conducted at studs centres approved by the DDE.DU.

### **Faculty and support staff requirement:**

One Assistant Professor  
One office assistant  
One peon

### **Identification of media and student support service**

- **Research and Media Support Service**

The Research and Media Support Service wing has been established with a two fold objective to facilitate in house research Distance Education as well as supplement the distance learners with multi-media facilities. It includes information about the various events organized by the Directorate, assisting in administrative works, support with ICT tools etc.

Media Support Service provides supplementary support to the Distance Learners by the means of

**Radio Programmes GYAN -MALINEE :** On every Thursday at 8pm from All India Radio, Dibrugarh Centre, (M/W- 521.1)

- **Multi-media CDs :** The Directorate has decided to provide its learners with course related Video CDs, which may give a good support to the learning process of the learners.
- **Bulk SMS:** The Bulk SMS to the learners providing information regarding Counselling programmes, Personal Contact programmes, Assignments, Date and Results of Examination, other Administrative and Examination related information and so on. (if DO NOT DISTURB service is NOT activated in the contact numbers.)
- Updating all the necessary information in the website [www.ddedu.org](http://www.ddedu.org)
- **Internet facility :**

All enrolled students of the Directorate can avail various facilities by logging in the website - [www.dde.du.org](http://www.dde.du.org). Some of the facilities, apart from the general information are -

- **Assignment questions.**
- **Important dates.**
- **Result.**
- **Already broadcasted Radio programmes.**

#### **Student Support Service System :**

- **Study Materials**

The Directorate has prepared all the study materials in the Self learning material (SLM) format in coordination with the course writers and editors through the help of the workshops sponsored by Distance Education Council, IGNOU, New Delhi

- **Personal Contact Programmes / Counselling Programmes**

Directorate conducts weekend counselling for its learners. These weekend counsellings can be availed by willing students on payment of minimal fees which will be notified by the directorate in the induction meeting. The personal contact programmes for undergraduate courses shall be provided by the study centers and the coordinators will inform the schedules to the students enrolled at their respective study centers .

- **Induction Meet**

The DODL organises one day Induction Meet for the learners before commencement of counselling Sessions of first semester to give a clear map of the open and distance learning . It is a two way interactive meet .

- **Learners Meet**

The DODL organises one day learners meet to address their different problems in the process of learning.

- **Assemblage**



The Cultural and Sports confluence of DODL Learners . Assemblage is organised every year for the learners of DODL.

### **Examination and Evaluation**

1.Setting of question papers moderation of question papers. Evaluation of answer scripts scrutiny tabulation of marks etc. and announcement of results shall be governed by the Dibrugarh University Examination Ordinance 1972 (as amended upto date).

2.There shall be End-semester Examination for each batch.

3.The Examinations (s) for the PGDCA Programme shall be as follows –

(i)End Semester Examination in each theory course (Paper) in PGDCA shall be of three hours duration and shall carry a maximum of 80 marks.

Each theory course shall carry objective type of questions i.e. multiple choice questions of 30 marks and the rest 40 marks shall be of long answer type.

(ii)20 marks shall be assigned in each theory course of internal assessment. The internal assessment shall be evaluated through written sessional test.

(iii)20 marks shall be assigned as internal assessment in each laboratory course and shall be evaluated through assignment of laboratory test.

(iv)A candidate shall have to obtain a minimum of 40% marks in each course in the semester examination (First, Second Semesters) in order to pass the course.

(v)At the end of each examination the marks of various internal assessment and the Project Work shall be submitted to the DODL, DU, by the Coordinator of the approved study centres. Declaration of results of the End semester Examination shall be made by the Controller of Examinations, D.U.

4. A candidate shall be declared as passed in course in if he/she secures 40% or above marks in the course

5. The following be applicable to the candidates who fail in the examination.

- a. Failure in the courses shall entitle the student to take the examination of the failed courses along with the next batch while pursuing next academic year.
  - b. Marks of assignments and project work shall be carried over in case of failed students.
  - c. The PGDCA programme must be completed within a maximum of 6 semesters or 3 years.
  - d. A candidate who fails to appear in an examination after obtaining eligibility for appearing in the same amounts to losing a chance.
6. Candidates who pass all the courses of the PGDCA shall be considered eligible for the award of the degree of the PGDCA. The classification of grades for PGDCA Degree programme as under:

<b>Sl. No.</b>	<b>Percentage</b>	<b>Grade</b>
1.	90-100%	A-1
2.	80-89%	A-2
3.	70-79%	B-1
4.	60-69%	B-2
5.	50-59%	C
6.	40-49%	D
6.	Below 40%	F

**Cost estimate of the programme and the provisions:**

Cost estimate of the program is as follows (in Rs) :

<b>Heads</b>	<b>Expenditure (Rs.) (App.) Per 100 learners ( in Rs)</b>
<b>Course Development</b>	<b>500000.00</b>
<b>Course Delivery</b>	<b>100000.00</b>

<b>Maintenance</b>	<b>50000.00</b>
<b>Total</b>	<b>6500000</b>

*Note: Development includes SLM writing, editing, review, printing cost etc. Delivery includes expenses like postage, courier, door delivery of SLM. Maintenance includes the syllabus revision, SLM revision committee expenses etc.*

Some amount of money will be needed to spend on learner support like face-to-face counselling, advertisement, library, production of DVDs, radio programmes, counselling , salary and other related administrative expenses.

### **Requirement of the laboratory support and Library Resources :**

#### **Minimum Configuration of Computers**

##### **Hardware Requirements**

The Directorate have sufficient number of Computers of most recent configuration so that not more than two students have to share one computer initially and in 1:1 ratio afterwards.

##### **Software requirements**

The institute have all the licensed software those are required for the course the institute must have at least 3 classrooms for conducting theory classes. One laboratory and other physical facilities for efficient management of the course.

#### **Library Resources:**

The Directorate of Open and Distance Learning, Dibrugarh University has a Library for its learners with sufficient books to help them through their studies. It has provision for distance learners to read as well as borrow books. Moreover, there is a provision for the learners to access the Dibrugarh University main library, Lakshminath Bezboroa Granthagar, with a present holding of approximately 175815 books and rare publications, apart from 18718 back volumes of journals, 3030 theses and dissertations. There is also a small library at DODL, DU attached with a reading room for the distance learners. It has more than 5,500 textbooks and reference books regarding different subjects including Computer Science.

### **Quality assurance mechanism and expected programme outcomes:**

Need assessment and tracer studies will be conducted for quality assurance. Moreover, revision and updating of material from time to time will be done by obtaining feedback from students and resource persons .

A high powered committee constituted with the Deans, HODs , Subject Experts from the University departments, Centres and the Directorate will also monitor the syllabus up gradation , curriculum design and other pedagogical and academic aspects of all programmes of the Directorate of Open and Distance Learning, Dibrugarh University.

## **PROGRAMME PROJECT REPORT**

**PROGRAMME – POST GRADUATE DIPLOMA IN JOURNALISM AND MASS  
COMMUNICATION (PGDJMC)**

**PREPARED BY CIQA, DODL, DIBRUGARH UNIVERSITY FOR THE ACADEMIC  
SESSION 2020-21 ONWARDS**

### **PRESENTED BEFORE**

- The Second Meeting of CIQA Committee on 29.11.2019 for onward process

*Forwarded under report to the forthcoming meeting of BoM and BoS to  
recommend to the statutory bodies*

### **PLACED BEFORE**

- The 150<sup>th</sup> Meeting of the Post Graduate Board on 05.12.2019

### **RECOMMENDED BY THE**

- The 150<sup>th</sup> Meeting of the Post Graduate Board to the 118<sup>th</sup> Meeting of Academic Council for Approval

**APPROVED BY THE HON'BLE VICE CHANCELLOR UNDER REPORT TO  
THE ACADEMIC COUNCIL**

**PROGRAMME PROJECT REPORT**  
**POST GRADUATE DIPLOMA IN JOURNALISM AND MASS COMMUNICATION**  
**(PGDJMC) PROGRAMME**  
**PREPARED BY CIQA, DODL, DIBRUGARH UNIVERSITY FOR THE ACADEMIC**  
**SESSION 2020-21 ONWARDS**

**Vision:** The vision of Directorate of Open and Distance Learning, Dibrugarh University is to reach the unreached and impart excellent education.

**Mission:** The core mission of the Directorate is to empower all those persons who cannot attend Colleges or Universities due to various circumstances. Post Graduate Diploma in Journalism and Mass Communication (PGDJMC) was introduced in order to provide opportunities to those students who are not able to pursue the programme in conventional mode. The mission of the Directorate of Open and Distance Learning is to create promotional opportunities for working class, housewives and elderly people whose opportunity for higher education was disrupted. The Directorate has the mission to provide education to remote areas of its jurisdiction where people lack quality education by introducing PGDJMC degrees so that they can have the opportunities to learn professional courses. This in-turn facilitates them to get skills vital for sustaining in the changing business scenarios. Therefore, the Mission of the Directorate is summarized in the following points:

- Empowering students with all the knowledge and guidance that they need to become worthy in the field of Journalism and Mass Communications.
- Providing a base of knowledge on Management so that they can further pursue Masters on the same field.
- Providing for holistic and value based development of learners which ultimately enhances their employability.
- Provide a nurturing and motivating environment to exploit the full potential of the learners.
- Grooming the learners to become a truly global personality well equipped to deal with the modern world and its challenges.

**Objectives:** In order to fulfil its stated vision and mission the Directorate is committed to:

- **Academic excellence:** Our primary objective is to enable every student to cope up with the latest developments in contemporary, national and global level through effective transaction of the curricular and co-curricular aspects.
- **Professional Excellence:** The Directorate motivates molds and prepares the students for positions of leadership in business organizations at the local, national and international levels. The capacity building of our learners to assume productive roles are emphasized during course and to inculcate the habit of lifelong learning. The ultimate objective is to produce commerce graduates who possess the skills, problem solving tools and professionalism essential for being successful.
- **Total commitment:** The Directorate is focused on the all-round development of the learners' personality through proper education and exposure to the vast treasure of knowledge (through library); sports facilities and socialization (through a platform called Assemblage).
- **Holistic Development:** The Directorate provides exposure to learners in the latest trends in relevant branches of knowledge, competence and creativity to face global challenges. To achieve innovations in teaching-learning, research and extension activities to realize national goals, including the adoption and promotion of knowledge output for human development.

**Relevance of the program with HEI's Mission & Goals:**

The present scenario of changing behaviour of journalism and mass communication is very demanding in terms of employability all over the world. Because of the fast and rapid development in the North Eastern states the media people now a days is of much demand especially in Assam. In this context, the persons related with media and other social communication sources have to be qualified enough in terms of theoretical as well as practical knowledge of the field of their interest. The one year diploma programme of PGDJMC helps a learner to achieve the understanding of how journalism and mass communication needs to be managed, the tools and techniques that are prevalent in the present day world and also gains a practical exposure on the functioning of the corporate and media work through various

conducts of field work. The diploma holders of this programme are highly demanded by the media and communication persons along with the corporate to work for them. The diploma holders of this programme get an added advantage of being specialised in a particular field of Journalism and Mass Communication like Photography, Communication Research, Public Relations, Advertising, Press Laws and Ethics etc. which intern helps them to select a job based on their specialised areas of interest.

### **Nature of prospective target group of learners:**

The target group is any candidate with a Bachelor or equivalent degree in any discipline from any recognized University.

### **Instructional Design:**

- The one year Post Graduate Diploma in Journalism and Mass Communication (PGDJMC) programme shall consist of Five (05) Core courses
- Each course is divided into five/six blocks showing marks against each block.
- Every student admitted to the PGDJMC Programme shall have to complete at least sixty four credits to be eligible to receive the degree from the Directorate.

### **Course Structure for PGDJMC Programme:**

	Course code/ Course	Marks		
		Theory	Assignment	Total
<b>Structure for PGDJMC Programme</b>	<b>COURSE – I INTRODUCTION TO MASS COMMUNICATION</b>	<b>75</b>	<b>---</b>	<b>100</b>
	<b>COURSE- II DEVELOPMENT COMMUNICATION, PUBLICATION RELATIONS AND ADVERTISING</b>	<b>75</b>	<b>25</b>	<b>100</b>
	<b>COURSE- III HISTORY OF PRESS, PRESS LAWS AND ETHICS</b>	<b>75</b>	<b>25</b>	<b>100</b>
	<b>COURSE – IV REPORTING AND EDITING</b>	<b>75</b>	<b>25</b>	<b>100</b>
	<b>COURSE – V ELECTRONIC JOURNALISM AND INFORMATION TECHNOLOGY</b>	<b>75</b>	<b>25</b>	<b>100</b>
	<b>Total</b>	<b>375</b>	<b>125</b>	<b>500</b>

### **Detail Syllabus**

#### **ONE YEAR PGDJMC COURSE (DE)**

#### **COURSE – I**

#### **INTRODUCTION TO MASS COMMUNICATION**

**(MARKS – 75)**

#### **BLOCK – I : MASS COMMUNICATION**

**25**

- , Concept, processes, functions, impact
- Verbal, non verbal, visual perception,
- Intrapersonal Interpersonal, group and mass communication, mediated communication, characteristics, Reach and Access,
- Selective exposure, selective perception,

- Models of communication – Laswell, Claude Shanon, and Weaver, Osgood, Willbur Schramm, Gerbner, Westley and MacLean.
- Communication theories Authoritarian, Libertarian, Development Media theory, Democratic Participant theory, Social Responsibility theory, Dependency, Communist Media theory, Two-step flow, multi-step flow theory, agenda-setting theory,

**BLOCK – II : COMMUNICATION RESEARCH 25**

- Definition, feedback and evaluation feed forward, hypothesis,
- Public opinion surveys,
- Pre election studies and exit polls,
- Source, message, channel, audience analysis, content analysis
- Simple method of collecting feedback, Historical, experiments methods . Survey research.
- Media research as a tool of reporting.
- Sample techniques.
- Interview and questionnaires open-ended/ close-ended question.
- Method of data analysis.

**BLOCK- III : PHOTOGRAPHY AND PHOTO JOURNALISM 25**

- Photography for mass communication .
- Photo journalism-news value of pictures , principles and practices, Photo editing, caption writing, photo feature, exhibition and display Techniques.
- Student will also do exercise in photographic coverage and prepare photo feature.

**COURSE- II**

**DEVELOPMENT COMMUNICATION, PUBLICATION RELATIONS AND ADVERTISING**

**(MARKS -75)**

**BLOCK – I : DEVELOPMENT COMMUNICATION 25**

- Concept, Meaning, problem and issue in development .
- Existence function, use and relevance of different communication media in development-studies in the field of agriculture, rural, health, family, welfare, drug abuse, AIDS awareness , environmental degradations, Consumer's rights awareness,
- Writing for the media of these sectors.
- Planning and implementations of communications strategy for development issues,
- Development Support Communication.
- Case studies :use of oral and visual media including folk forms in development .

**BLOCK –II : PUBLIC RELATIONS 25**

- Concept, evaluation of its role in overall image- projection of an organization.
- Growing significance of PR in the changing competitive atmosphere of new liberalized economy.
- Target audience of PR – internal and external , difference in approaches to these two groups.
- Relation displace - publicity, propaganda, public affairs, lobbying.
- PR in the private sector industry , public sector industry. Central Government & State Government ,developing economy.
- PR in social and political environment.
- The process of Public Relations.
- PR tools and strategies- in house journal, brochures, outdoor exhibition , special programme, open houses, bulletin boards, video magazines.
- Media for Public relation.
- PR crisis-management, anticipation of impending problems and damage control exercises.
- Corporate Communications.
- Press relations , writing for the Press release, backgrounder, press briefings, rejoinders.
- Public relation Society of India(PRSI)



- The integral / complementary relationship between journalism/ Advertising and public Relations.

### **Block –III : ADVERTISING**

- Organisation and function of an Advertisement Agency - account planning , account servicing, creative, media planning.
- Social and economic impact of advertising .
- How advertising Works .Understanding behaviour of target Audience.
- Social marketing.
- Advertising /marketing and social development issues.
- Regulatory bodies-advertising Standards Council of India (ASCI) consumers forums , INS Association of Advertising Agencies of India. (AAAI)
- An overview of the Indian advertising industry scenario.

### **COURSE- III**

### **HISTORY OF PRESS, PRESS LAWS AND ETHICS**

**(MARKS -75)**

#### **BLOCK –I ; HISTORY OF PRESS 25**

- Evolution and early history of press WORLD , India and North-East).
- Role of English and languages press in freedom struggle –Mahatma Gandhi and his journalism , early newspapers ,magazines.
- Role of press in making of modern India.

#### **BLOCK-II : INTRODUCTION TO INDIAN CONSTITUTION 25**

- Constitution of India , Fundamental Rights & Directive principles of State policy.
- Election Commission State level Election commissions.
- Parliamentary & Legislative Members's privileges in relation to reporting.
- Contempts of Court and Contempt of legislature.
- Right to information and Official secrets Act.
- Copyright.

#### **BLOCK -III : PRESS LAWS ETHICS 25**

- Laws of libel and defamation .
- Self regulation and code of ethics.
- Press council of India, its functioning, PCI Code of Ethics (Electronic Media is still outside its purview and PCI's proposal in this regard).
- Pressure on the press.
- Press organization – Indian newspaper Society (INS). All India Newspapers Editors' Conference (AINEC), Registrar of newspaper of India (RNI), Audit Bureau of Circulation (ABC), News Agencies, Syndicate services.
- Ethical problems like right to privacy and right to reality, communal, sensational, yellow journalism.
- Press Ombudsman.

### **COURSE – IV**

### **REPORTING AND EDITING**

**(MARKS-75)**

#### **BLOCK- I : REPORTING 25**

- News, Concept, Hard and soft news, basic element of a news report, Process and reporting .
- Principles of news writing, inverted pyramid.
- Source of news and their cultivation.
- Structure of a news report-lead, body, conclusion news.
- Reporting set up .
- Qualities needed for becoming a good reporter.
- Investigative and interpretative reporting.
- Background research.

**BLOCK-II : EDITING 25**

- Concept, Responsibilities of editor .
- Editorial set up of a news organization and responsibilities at various levels.
- Daily editorial meeting, news planning and coordination .
- Intro writing / copy writing, Language- simple, crisp, understandable to all.
- Stylesheet, difference or orientation in news writing for different media and target audience.
- Editing symbols , newspaper vocabulary, translation.
- Feeling of working under pressure.
- Importance of headlines , Types of headlines, Art of headlines writing catchy, short, summarizing nature.

**BLOCK- III : NON NEWS AND NEWS BASED ARTICLES/FEATURES WRITING 25**

- Editorial
- Human interest feature .
- Lead article in Editorial page,
- Articles in OP-ED page,
- Middles
- Anchor story.

**COURSE – V****ELECTRONIC JOURNALISM AND INFORMATION TECHNOLOGY  
(MARKS-75)****BLOCK – I : RADIO AND TELEVISION 25**

- Introduction to Radio and Television Journalism , GROWTH AND EVOLUTION.
- Importance of the spoken word and visuals, proper usage of technical tools.
- Radio and TV Reporting , writing for these two media .
- Technique of radio and TV programme production.
- News and current affairs programme .
- Talk shows , programmes , documentaries and magazine programs.
- Changing role of journalists in TV and Radio- some person needed to perform as newsreader, editor, researcher, anchor person in news based current affairs programmes.
- Radio and TV as a medium of development.

**BLOCK-II : CONCEPT: TECHNOLOGY OF INFORMATION 25**

- Concept of cyber journalism, e- journals, Indian scenario.
- Convergence of telecommunication & computer.
- Use of Computer , e- mail for news transmission, Fax.
- Computerized Page making / layout making software.
- Photo scanning , Digital printing .
- Basic principles of printing technology- offset, rotary, colour printing , uses.

- There is only one full-time faculty for this programme and DODL will take the help and services from the faculties of parent department and from the faculties of nearby Colleges. DODL has adequate support staff. The instructional delivery mechanism and various media through which Study Inputs will be provided for this programme are Print Material (SLMs), Face to face and on-line (e-mail, Whatsapp, social media etc) tutorials, Face to face and on-line (e-mail, Whatsapp, social media etc) counselling, Video CDs/ DVDs, Radio Broadcast Gyanmalinee and Radio-counselling and Recorded lectures on the website.

**RESEARCH AND MEDIA SUPPORT SERVICE**

- The Research and Media Support Service wing has been established with a twofold objective to facilitate in-house research Distance Education as well as supplement the distance learners with multi-media facilities. It includes information about the various events organized by the Directorate, assisting in administrative works, support with ICT tools etc.
- Media Support Service provides supplementary support to the Learners as follows:

- **Radio Programmes GYAN -MALINEE:** On every Thursday at 8pm from All India Radio, Dibrugarh Centre, (M/W- 521.1)
- Video CDs, which may give a good support to the learning process of the learners.
- **Bulk SMS:** The Bulk SMS to the learners providing information regarding Counselling programmes, Personal Contact programmes, Assignments, Date and Results of Examination, other Administrative and Examination related information and so on. (if DO NOT DISTURB service is NOT activated in the contact numbers.)
- Updating all the necessary information in the website [www.ddedu.org](http://www.ddedu.org)

**Internet facility:**

- All enrolled students of the Directorate can avail the facility of the computer laboratory with internet facility in the HQs of the Directorate. Moreover, they can update themselves by logging in the website of the Directorate.

**Procedure for Admissions, Curriculum Transaction and Evaluation:**

One-year PGDJMC programme has been launched from the academic year 2007-2008.

**Eligibility for Admission:**

Candidates, who have passed the Three Year Degree Course in any discipline from Dibrugarh University or any other university recognized as equivalent to it by the university, are eligible to apply for admission.

**Medium and Method of Instruction:-**

- English shall be the medium of instruction both in the classroom as well as in the University Examination.
- Weekend Counselling sessions shall be organized for the learners at the study centres.

**Cost estimate of the programme and the provisions:**

Heads	Expenditure (in Rs.) (App.) Per 100 learners	Income ( in Rs.) (App.) Per 100 learners	Benefit* ( in Rs.) (App.)
Course Development	5,00,000		
Course Delivery	50,000		
Maintenance	25,000		
<b>Total</b>	<b>5,75,000</b>	<b>6,00,000</b>	<b>25,000</b>

\*Some amount of money will be needed to spend on learner support like face-to-face counselling, advertisement, library, production of DVDs, radio counseling, salary and other related administrative expenses.

**Quality assurance mechanism and expected programme outcomes:**

Need assessment and tracer studies will be conducted for quality assurance in terms of the Centre for Internal Quality Assurance. Moreover, revision and updating of material by obtaining feedback from students and resource persons will be done. A high powered committee constituted with the Deans, HoDs, Subject Experts from the University Departments and the Directorate will also monitor the syllabus upgradation, curriculum design, and other pedagogical and academic aspects of all programmes of the Directorate of Open and Distance Learning, Dibrugarh University.

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## **PROGRAMME PROJECT REPORT**

**PROGRAMME – POST GRADUATE DIPLOMA IN MARKETING MANAGEMENT  
(PGDMM)**

**PREPARED BY CIQA, DODL, DIBRUGARH UNIVERSITY FOR THE ACADEMIC  
SESSION 2020-21 ONWARDS**

### **PRESENTED BEFORE**

- The Second Meeting of CIQA Committee on 29.11.2019 for onward process

*Forwarded under report to the forthcoming meeting of BoM and BoS to  
recommend to the statutory bodies*

### **PLACED BEFORE**

- The 150<sup>th</sup> Meeting of the Post Graduate Board on 05.12.2019

### **RECOMMENDED BY THE**

- The 150<sup>th</sup> Meeting of the Post Graduate Board to the 118<sup>th</sup> Meeting of Academic Council for Approval

**APPROVED BY THE HON'BLE VICE CHANCELLOR UNDER REPORT TO THE  
ACADEMIC COUNCIL**

## **PROGRAMME PROJECT REPORT**

### **POST GRADUATE DIPLOMA IN MARKETING MANAGEMENT(PGDMM), PROGRAMME PREPARED BY CIQA, DODL, DIBRUGARH UNIVERSITY FOR THE ACADEMIC SESSION 2020-21 ONWARDS**

#### **Vision:**

The vision of Directorate of Open and Distance Learning, Dibrugarh University is to reach the unreached and impart excellent education.

#### **Mission:**

The mission of the Directorate is to empower all those persons who cannot due to unavoidable reasons drop their studies after completing their graduation. Post graduate Diploma in Marketing Management (PGDMM) was introduced in order to provide opportunities to those students who are not able to pursue their studies after graduation in conventional mode. The mission of the Directorate of Open and Distance Learning is to create promotional opportunities for those people whose opportunity for higher education was disrupted. The Directorate has the mission to provide education to remote areas of its jurisdiction where people lack quality education by introducing such diploma courses, so that they can have the opportunities to learn professional courses as well. This in-turn facilitates them to get skills vital for sustaining in the changing business scenarios. Therefore, the Mission of the Directorate is summarized in the following points:

- Empowering students with all the knowledge and guidance that they need to become worthy professionals in the area of Marketing.
- Providing a detailed knowledge on Marketing Management.
- Providing for holistic and value based development of learners which ultimately enhances their employability.
- To carve a niche for ourselves in the specialized field of Marketing Management.
- Provide a nurturing and motivating environment to exploit the full potential of the learners.
- Grooming the learners to become a truly global personality well equipped to deal with the modern world and its challenges.

**Objectives:** In order to fulfil its stated vision and mission the Directorate is committed to:

- **Academic excellence:** Our primary objective is to enable every student to cope up with the latest developments in contemporary, national and global level through effective transaction of the curricular and co-curricular aspects.
- **Professional Excellence:** The Directorate motivates moulds and prepares the students for positions of leadership in business organizations at the local, national and international levels. The capacity building of our learners to assume productive roles are emphasized during course and to inculcate the habit of lifelong learning. The ultimate objective is to produce commerce graduates who possess the skills, problem solving tools and professionalism essential for being successful.
- **Total commitment:** The Directorate is focused on the all-round development of the learners' personality through proper education and exposure to the vast treasure of knowledge (through library); sports facilities and socialization (through a platform called Assemblage).
- **Holistic Development:** The Directorate provides exposure to learners in the latest trends in relevant branches of knowledge, competence and creativity to face global challenges. To achieve innovations in teaching-learning, research and extension activities to realize national goals, including the adoption and promotion of knowledge output for human development.

#### **Relevance of the program with HEI's Mission & Goals:**

The PGDMM programme being a Diploma course for 1 years helps to achieve the understanding of how marketing is relevant and important in the corporate arena and also helps the students to learn a variety of tools and techniques which is the current buzz of the corporate world. The learners of this programme are highly demanded by the corporate

world, both public and private. The learners of this programme get an added advantage of being specialised in the particular field of Marketing, creating a huge demand for themselves. The graduates of this course develop entrepreneurial qualities to set up their own marketing agencies.

### **Nature of Prospective Target Group of Learners:**

Learning is the process of acquiring or modifying knowledge, skills, and values by study. Learner is the person who learns or takes up knowledge or beliefs. The learner uses the platform to get new competencies. The target learners of DODL will be the students of the age eighteen and above. The proposed PGDMM course is targeted for learners from all the areas.

The goal of this programme is to develop their interest in latest educational technology and equip them with proper skills. This may increase their ability to learn, experience and master latest technology and technological applications in the field of Marketing. By utilizing their education and learning skills they can find better jobs or start their own business.

The target learners will be from the rural or interior areas of Upper Assam as well as the other areas of the society. The following are the target factors and medium for the PGDMM programme at DODL, DU:

<b>Target Factors</b>	<b>Medium</b>
Target Community	Rural / Urban
Target area	PG Students
Target Audience	Students aspiring for Diploma Courses.
Age group	18 years and above
Delivery system	Self Learning Materials, Counseling class, CDs, Radio

### **Appropriateness of PGDMM Course to ODL Learners' to Acquire Specific Skills and Competence:**

The learners of PGDMM programme will be expert in managing the marketing aspects of the business as a whole. With the growing demand for internationalisation and standardisation in marketing aspects, the learners having this degree gets an added advantage to choose the course as there is a huge demand for such graduates in the corporate world.

### **Programme Educational Objectives:**

- After completion of the programme learners will have an in-depth knowledge of Marketing, understanding behaviour of Consumer, marketing research, advertising, international techniques of marketing, rural marketing, etc
- The programme aims to equip the students with professional skills, inter personal skills and entrepreneurial qualities.
- The programme also inculcates ethical values, team work, leadership and managerial skills.

### **Programme Outcomes:**

- The learners will develop an ability to apply knowledge acquired for problem solving purposes in the corporate field.
- The learners will be ready for employment in functional areas of Marketing.
- Ability to work in teams with enhanced communication and inter-personal skills.
- Ability to start entrepreneurial activities.
- An inclination towards lifelong learning and acquiring knowledge.

## **SYLLABUS**

<b>Course Code</b>	<b>Course Title</b>	<b>Marks in yearend Examination</b>	<b>Marks in Internal Assessment</b>	<b>Total</b>
PAPER - I	Marketing Management	80	20	100

PAPER – II	Consumer Behaviour and Marketing Research	80	20	100
PAPER – III	Advertising & Sales Management	80	20	100
PAPER – IV	International Marketing	80	20	100
PAPER – V	Service Marketing & Customer Relationship Management	80	20	100
PAPER - VI	Agricultural & Rural Marketing	80	20	100

### DETAIL SYLLABUS OF THE PROGRAMME

#### **Paper 1 MARKETING MANAGEMENT Marks -100**

#### **UNIT 1: Marketing Marks-20**

Basic concepts, Modern Concept of Marketing-Meaning, Function and importance of Marketing Management .

#### **UNIT 2: Consumer Behavior& Consumers Markets Marks-20**

Principal factors influencing buyer behavior :Culture factors, Social factors, Personal factors and Psychological factors , Buying theories and processes. Market segmentation : Its importance and bases.

#### **UNIT 3 : Product Policy Marks-20**

Product concept and product classification . New product Development Process, Product Life Cycle, Product adoption and diffusion process, Product Mix decisions.

#### **UNIT4 : Price Policy Marks-20**

Pricing Concept and objectives, Pricing method ,adopting Price to Market needs, Price Wars.

#### **UNIT5 :Channel and Distribution Policy Marks-20**

Channel structure Channel decision, Wholesaling, Retailing, Physical distribution decision.Transport mode available in India-their merits and demerits.

#### **Reference Books**

- |                   |   |
|-------------------|---|
| 1. Kotler, Philip | :Marketing Management<br>8 <sup>th</sup> Edition, PHI |
| 2. Ganesan, k.    | :Marketing Management                                 |
| 3. Stanton, W.J.  | :Fundamentals of Marketing                            |

#### **PAPER II CONSUMER BEHAVIOUR AND MARKETING RESEARCH Marks -100**

#### **Unit 1 : Introduction to Consumer Behaviour Marks-20**

Consumer Behaviour as a Marketing Discipline- Consumer Behaviour Principles in Strategic Marketing-Buying Decision Process-Need Recognition- Information Search- Evaluation of Alternatives-Purchase Decision-Past Purchased Behaviour- Consumer Behaviour Models .

**Unit 2 : Socio- cultural factors of Consumer Behaviour Marks-20**

Buyer Black Box-Cultural Factors-Culture-Sub Culture –Social class-Social factor-Reference Group-Family-Roles and Statuses.

**UNIT 3: Personal and Psychological Factors of Consumer Behaviour Marks-20**

Personal Factor-Age and Life Cycle Stage-Occupation-Economic Circumstances-Life Style-Personality and Self Concept- Psychological Factors-Motivation-Perception-Learning-Attitude.

**UNIT 4 :Interesting of Marketing Research**

**Marks-20**

Conceptual Framework-Nature, Scope and interest of Marketing Research- Marketing Research Vs Marketing Research- Marketing Research Process.

**UNIT 5: Sampling Techniques**

**Marks-20**

Method of Sampling-Probability Sampling-Random-Stratified-Cluster-Systematic-Non Probability Sampling Convenience- Quota-Judgement-Sampling Errors. Collection, Analysis and Interpretation of Data. Data collection Methods- Questionnaire and Interview Schedule.Primary and Secondary data –Data processing- Data Analysis-Statistical tools for Marketing Research-chi-square Analysis – Correlation-Regression- Data interpretation-Report writing . Application of Marketing Research , Product Research-Advertising Research –Motivation Research.

**Reference Books**

Schiffman and Lazer	: Consumer Behaviour
Crisp, R.D	: Marketing Research
Ramaswamy & Majumdar	:Marketing Research
Holmes	: Marketing Research
Sharma, Dr. D.D.	: Marketing Research

**Paper –III**

**ADVERTISING MANAGEMENT**

**Marks-100**

**UNIT 1 : Introduction**

**Marks-20**

Definition and Development of Advertising –Advertising and a Dynamic Market.Advertising as a Management Function –The Contributions of Advertising Management to Marketing and corporate Management.

**UNIT 2 : The Economic and Social roles of Advertising Marks-20**

Does Advertising perform different functions in different sectors of the economy – Competition, Price Competition ,Production Costs, Overall Product Demand, Company Image, Number of products, Costs of Advertising and Product information. Advertising and social Issues- Waste in Advertising –general social criticisms- Standard of living –Does advertising cause people to buy goods they do not need..

**UNIT 3 : Media Decision**

**Marks-20**

Setting objective – Definition- Approach to writing copy-Important copy Attributes. The Headline-Specifics Headline Classification.

**UNIT 4 : Media Decision**

**Marks-20**

Definition- Types of Media-Factors influencing selection of media-Use of computer in selecting Media .

**UNIT 5 : Planning the Campaign**

**Marks-20**



Factors influencing the planning of the Campaign-Planning the campaign-The Market, The objective of a Campaign, Setting the Budget. The Appeal or Theme, The Media and the Schedule.

### Reference Books

1. Dirksen, Charles L. Kroeger, Arthur :Advertising Principles, Problems and Causes  
&  
Nicosia, Francesco M. Richard D. Irwin, INC. Homewood,  
Illinois(1997),5<sup>th</sup> Edition
2. Sandage, C.H., Advertising Theory & Practices,  
Fryburger, Vernon All India Travellers, Book Seller,  
& Delhi-51
3. Norris,James S. Advertising, Prentice Hall India  
New Delhi
4. Jefkins, Frank Advertising Made Simple, Rupa &Co.

## PAPER –IV INTERNATIONAL MARKETING

**Marks 100**

**UNIT 1 :** Introduction : Nature and Significance ; Complexities of international marketing , Transition from domestics to transnational marketing ,international market orientation-EPRG framework; international market entry strategies.

**Marks -20**

**UNIT 2 :** International marketing Environment- internal Environment –external environment; impact of environment on international marketing decisions.Global market segmentation; international positioning .

**Marks -20**

**UNIT 3:** Product planning for Global markets; Standardization vs. product adoption ; new product development ; Management of international brands; Packing and labeling . International pricing policies and strategies.

**Marks -20**

**UNIT 4:** Function and type of distributions channel ;Channel selectingdecisions; Selection of foreign distributors/ agents and managing relations with them;International; logistic decisions. Issue in international marketing planning; international marketing information system, organizing and controlling.

**Marks-20**

**UNIT5:** Emerging issue and Developments in International marketing of service ; information Technology and international marketing ; impact of Globalization; WTO.

### Reference Books

- 1.Jain, S.C. :International Marketing, CBS Publication,New Delhi
2. Keegan , :Global Marketing, Management, Prentice Hall, New Delhi  
Warren J
- 3.Paliwoda, :The Essence of international Marketing.  
Stanley J Prentice Hall, New Delhi

## PAPER –V SERVICE MARKETING AND CUSTOMER RELATIONSHIP MANAGEMENT **Marks 100**

**UNIT 1:** Nature and types of service ; Difference between service and goods marketing ;Service Marketing Triangle, Macro and micro environment for service marketing ;Understanding service customers-models for service , customer behavior; customer expectations and perception; Service Quality and GAP model.

**Marks 20**

**UNIT 2 :** Service market and segmentation ; Targeting and positioning, Need for expanded marketing mix; Planning for service offer ; Pricing promotion and distribution of services; Management of people Process and physical evidence; Matching on demand and supply of services.

**Marks 20**

**UNIT 3 :** Service Marketing Application –Marketing of financial, hospital, hospital, tourism and educational services ; International Marketing of services and GATS.

**UNIT 4 :** Relationship Marketing – Meaning nature and scope ; Types of relational exchanges; Reasons for relationship marketing ; firms and customer perspectives.

**Marks 20**

**UNIT 5 :** Attributes and determinants of relational exchanges,Networking –nature, role and mechanism. Customer selection ; Relationship strategies;Implementing CRM; Role of information Technology in relationship building ; e-CRM.

1.Gosney, JohnW. and :Customer Relationship Management Essentials ,  
Thomas P. Boehm Prentic Hall; New Delhi

2.Payne, Adrian : The Essence of service Marketing, Prentic Hall;  
New Delhi

3.Seth, Jagdish N. Et.al.; :Customer Relationship Management ,Tat McGraw  
Hill Publishing Co., New Delhi

### **Paper-VI**

## **AGRICULTURAL AND RURAL MARKETING**

**Marks 100**

**UNIT 1 :** Rural Marketing : Nature, Characteristics and the potential of rural markets in India ; Social cultural, economic and other environmental factors affecting rural marketing ;Attitude and Behaviors of rural consumers and farmers .

**Marks 20**

**UNIT 2 :** Marketing of Consumers durable and Non Durable Goods and Services in Rural Markets: Product Planning , Pricing, Promotion and management of distribution channels of marketing durable and non –durable goods in rural areas; Media planning ;Planning and organizing personal selling in rural markets.

**Marks 20**

**UNIT 3 :** Marketing of Agricultural Inputs :Marketing of fertilizers ,pesticides, seeds, tractors and other agricultural products ;and its performance ; processing facilities for different agricultural implements in rural areas.

**Marks 20**

**UNIT 4:** Agricultural marketing ;classification of agricultural products with particular reference to seasonality and perishability ; Market structure of agricultural products

in its performance; Processing facilities for different agricultural products; Role and types of warehousing.

**Marks 20**

**UNIT 5:** Agriculture Price Determination and Commodity Trading : Role of agricultural price Commission ; Role of Central and State Government institutions and organisations in agricultural marketing ;Unique features of commodity markets in India .Problems of Agricultural Marketing in India and challenges. **Marks 20**

### Reference Books

1. Gopalaswamy, T.P. : Rural marketing Wheeler Publisher, New Delhi
2. Mamoria, C.B. : Agriculture Marketing, Himalaya Publishing House Delhi
3. Rajagopal : Organizing Rural Business, Sage Publisher , New Delhi

### Procedure for admissions, curriculum transaction and evaluation:

Admission notices/advertisements for various programmes of the Directorate of Open and Distance Learning, Dibrugarh University, will be published in leading newspapers, both English and Assamese, at least forty-five days prior to the date of admission. It will be notified in the Dibrugarh University website, [www.dibru.ac.in](http://www.dibru.ac.in). also. Candidates are to apply in the prescribed Application form only. The admission form along with the Prospectus can be obtained from the office of the Directorate of Open and Distance Learning, Dibrugarh University, or any of the Study Centres, in person. It can also be requested through post by sending a bank draft of the Prospectus fee (to be notified at the time of advertisement) drawn in favor of Distance Education Fund, Dibrugarh University, along with a self-addressed stamped (Rs. 35/-) envelop of 12" x 8". Forms downloaded from the website are also accepted provided it is submitted along with a bank draft as mentioned above.

Any graduate student with or without major from any recognised Institution/University is eligible to apply for admission to the PGDMM Programme under Directorate of Open and Distance Learning, Dibrugarh University. Eligible applicants must bring the filled in admission form along with self-attested copies of mark sheets and testimonials HSLC onwards (details in the Prospectus). At the time of admission they are required to pay the admission fee either in cash/card or DD. On confirmation of admission, the learners will be provided Identity Cards and Self Learning Materials.

The Directorate would conduct weekend counselling for its learners. Apart from this, they would be able to solve their queries over phone by calling the concerned subject Coordinator at their respective Study Centre. Moreover, for this programme a few Video CD would be provided and some recorded lectures and discussion would be provided through Radio Broadcasting Programme 'Gyanmalini', to be broadcasted from All India Radio Dibrugarh.

### Requirement of the laboratory support and Library Resources:

The Programme does not require laboratory support. The Directorate of Open and Distance Learning, Dibrugarh University has a Library for its learners with sufficient books to help them through their studies. It has provision for distance learners to read as well as borrow books. Moreover, there is a provision for the learners to access the Dibrugarh University main library, Lakshminath Bezboroa Granthagar, with a present holding of approximately 175815 books and rare publications, apart from 18718 back volumes of journals, 3030 theses and dissertations. There is also a small library at DODL, DU attached with a reading room for the distance learners. It has more than 5,500 textbooks and reference books regarding different subjects including Mathematics.

### Cost estimate of the Programme and the provision:

Keeping an eye on the number of applicants applying for the programme it can be estimated that around 150 learners may seek admission to this Programme. If the cost estimate is calculated on 100 learners, the approximate cost is as follows:

Development (*SLM writing, editing, review, printing cost, recording, radio slots, remuneration, etc.*): Rs. 5,00,000/- (approx.)

Delivery (*Postage, courier, door delivery, etc.*): Rs. 50,000/- (approx.)

Maintenance (*Syllabus revision, SLM revision, Committee expenses, etc.*): Rs. 25,000/- (approx.)

Income from 100 learners ----- Rs. 6, 00, 000 (@ Rs. 6000/- per learner)

Benefit ----- Rs. 25, 000 (Approx.)

\*Some amount of money will be needed to spend on learner support like face-to-face counselling, advertisement, library, production of DVDs, radio counseling, salary and other related administrative expenses.

#### **Quality assurance mechanism and expected programme outcomes:**

Every attempt has been made to make the Self Learning Materials of high quality, and sound relevance to the learners. The Centre for Quality Assurance will evaluate and review the course mechanism. Moreover, revision and updating of material by obtaining feedback from students and resource persons will be done. A high powered committee constituted with the Deans, HoDs, Subject Experts from the University Departments and the Directorate will also monitor the syllabus upgradation, curriculum design, and other pedagogical and academic aspects of all programmes of the Directorate of Open and Distance Learning, Dibrugarh University.

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