

The Department of Bengali of Haflong Government College has made the following plan for implementation of the Curriculum designed by the affiliating Assam University for the Session 2019-2020. Assam University has introduced the TDC CBCS programme for BA General as well as B A Honours programme in Bengali from the session 2018-19. The Department of Bengali has planned to implement the BA Honours Programme as well as the B A General Programme in the Choice Based Credit System from the session 2019-20 for students enrolled in TDC 1st Semester. The earlier programmes of TDC Bengali Pass Course of BA Pass Programme designed by Assam University will also continue for TDC 5th and 6th Semesters in the session 2019-20. The following is the outline plan for implementation of the curriculum for the academic session 2019-2020.

ODD SEMESTERS from August 2019 to December 2019
Plan for implementation of BA (General) Bengali Programme (CBCS)
First Semester: Course Code: BNGDSC101T & BNGAEC101T

Paper	Name of the Faculties & course		
	Shyamananda Chowdhury	Dr. Sudipta Mahanta	Dr. Sakir Hussain Laskar
BNG DSC-101 Bangla Sahityer Itihas Prachin o Madhya Yug	Bangla Sahityer Yug Bivajon. Charya Pad. Shrikrishna kirtan, Baisnav padabali sahitya.	Bangla Mangal Kabyer Dhara Samuho. Monosa Mangal, Chandi Mangal, Dharma Mangal, Annada Mangal.	Bangla Anubad Sahitya, Ramayan Mahavarat, Shakta Pada Sahitya, Arakan Rajsovar sahitya.
BNG AEC-101 Sanjoger Rup riti o prayog	Sanjoger Nanarup o Paddhati, Moukhik o lekhyarup. Monologue, Dialogue, Group Discussion	Documentation Report Writing, Prayog- II Galpa Guchha (1) Rabindranath Tagore	Prayog I, Birangana Kabya: Madhusudan Dutta, Prativedan rachana, Grontha Porikarma.

Continuous and Comprehensive Assessment(CCA): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

Plan for Implementation of B A (Bengali) Honours and B A (Bengali) General CBCS Programme
BA THIRD SEMESTER Honours Programme

Paper	Name of the Faculties & course		
	Shyamananda Chowdhury	Dr. Sudipta Mahanta	Dr. Sakir Hussain Laskar
BNG HCC-301 Bangla Bhasa Tattwa	Bangla Bhasar Udvab o Bikash, Bangla Bhasar Yug Bibhajon	Upobhasa Vigyan o Sabdarto tattwa, Bangla Padanwyayer Baisistya.	Bangla Karok o Bibhokti
BNG HCC-302 Unish Sataker Bangla Kabita o Katha Sahitya	Unish Sataker Bangla Giti kobita, Meghnadbodh Kabya.	Swarnalata (Novel), Golpoguchha Part II	Rajani (Novel)

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Paper	Name of the Faculties & course		
	Shyamananda Chowdhury	Dr. Sudipta Mahanta	Dr. Sakir Hussain Laskar
BNG HCC-303 Bangla Atmakatha o Prabandha	Apon Kotha	Amar Jibon, Aborodh Basini	Prabandha Sanghra (Pramatha Choudhury), Duisho Bochorer Bangla Prabanda Sahitya
BNG SEC-301 Anubad Vidya o Ganogyapon	Anubad Tattwa, Translation bonam Transcripion, Bangla Anubade Vidyasagar	Anubade Bangla Sahitya, Girish Gosh, Macbeth, Gonogyapon: Tattwa o Prayog	Prayogik Anubad (unseen), Sekal Ekaler Songbad Poribeshoner Dhara,

Continuous and Comprehensive Assessment(CCA):As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

Plan for implementation of BA (General) Bengali Programme (CBCS)

Third Semester: Course Code:BNGDSC301T & BNGLAN301T

Paper	Name of the Faculties & course		
	Shyamananda Chowdhury	Dr. Sudipta Mahanta	Dr. Sakir Hussain Laskar
BNG DSC-301 Bangla Vasa Tattwa	Bangla Vasa Udvab o Vikash, Prachin, Madhya o Adhunik Bharatiya Arya Vasa.	Prachin, Madhya o Adhunik Banglar Lakshan. Bangla Somas, Karok o Vibakti.	Banglar Upobhasa Samuho, Ortha Paribortanar Karon, Tridhara
BNG LAN-301(Arts) Vasatattwa o Unish Satakar Bangla Sahitya	Bangla Sabdo Bandar, Sadhu Riti o Cholito Riti, Bangla Banan Bidhi.	Kalpana Kabya: Rabindranath Tagore, Sabdartha Paribortoner Dhara Samuho	Kamalakanter Daptar: Bankim Chandra Chattapaddhay.

Plan for implementation of BA (General) Bengali Programme (Non CBCS)

Fifth Semester: Course Code:BNGP501T

Paper	Name of the Faculties & course		
	Shyamananda Chowdhury	Dr. Sudipta Mahanta	Dr. Sakir Hussain Laskar
BNGP-501 (Adhunik bangla Gadya o Natak)	Cheratar (Natak)	Krisnakumari (Natak)	Bibidho Praabondha (Prose)

Continuous and Comprehensive Assessment(CCA):As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

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EVEN SEMESTERS JANUARY 2020 TO JUNE 2020
EVEN SEMESTERS from January 2020 to June 2020
Plan for Implementation of B A (Bengali) General CBCS Programme
Second Semester: Course Code: BNGDSC201T

Paper	Name of the Faculties & course		
	Shyamananda Chowdhury	Dr. Sudipta Mahanta	Dr. Sakir Hussain Laskar
BNG DSC-201 Bangla Sahityer Itihas (Adhunik Yug)	Bangla Gadyer Vikash, Bangla Kobitar Itihas	Bangla Upanyas o Bangla Golper Itihas	Bangla Natoker Itihas

Continuous and Comprehensive Assessment(CCA):As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

**Plan for Implementation of B A (Bengali) Honours and B A (Bengali) General CBCS Programme
BA Fourth SEMESTER Honours Programme**

Paper	Name of the Faculties & course		
	Shyamananda Chowdhury	Dr. Sudipta Mahanta	Dr. Sakir Hussain Laskar
BNG HCC-401 Bish Sataker Bangla Sahitya-1	Sajahan, Shri Madhusudhan	Eksho Bacharer Sera Golpo.	Sanchita, Padma Nadir Majhi
BNG HCC-402 Rabindra Sahitya	Yojayog (Novel), Mukta Dhara (Drama)	Sonartori (Kabya)	Sankalan (Collection of Essays)
BNG HCC-403 Lokosahitya o Sanskriti	Brotakotha, Maimansingha Gitika	Lokosahitya: Defination & Characteristics	Lokosongeeet
BNG SEC-401 Bangla Loko Natya o Natya Mancha	Lokonatya : Defination & Charac- teristics, Prasanium Rangamonche Bangla Natak, Third Theatre	LokoNatya, Chou, Ojha, Gazi, Bangla Yatra Palar Oithijya	Lokonatya, Alkap, Gambhira, Ghatu

Continuous and Comprehensive Assessment(CCA):As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.


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Plan for implementation of BA (General) Bengali Programme (CBCS)
Fourth Semester: Course Code:BNGDSC401T & BNGLAN401T

Paper	Name of the Faculties & course		
	Shyamananda Chowdhury	Dr. Sudipta Mahanta	Dr. Sakir Hussain Laskar
BNG DSC-401 Bish Sataker Bangla Sahitya-1	Sajahan, Shri Madhusudhan	Eksho Bacharer Sera Golpo.	Sanchita, Padma Nadir Majhi
BNG LAN-401(Arts) Bish Sataker Bangla Sahitya	Bish Sataker Sahityik o Rachana.	Rother Rasi, Premendra Mitrer Sreshto Golpo	Rupasi Bangla, Srikanta (Novel)

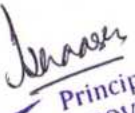
Continuous and Comprehensive Assessment(CCA):As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

Plan for implementation of BA (General) Bengali Programme (Non CBCS)
Sixth Semester: Course Code:BNGP601T

Paper	Name of the Faculties & course		
	Shyamananda Chowdhury	Dr. Sudipta Mahanta	Dr. Sakir Hussain Laskar
BNGP-601 Adhunik Bangla Katha Sahitya	Golpahuncha: Postmaster, Ekratri, Chuti	Hansulibaker Upakotha (Novel)	Galpaguccha-Jibito o Mrito, Madhyabarti Shasti.

Continuous and Comprehensive Assessment(CCA):As per the guidelines of the university, internal assessment will be done by taking two unit tests of 25 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.


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**Department of Economics
Haflong Government College**

**Plan for Curriculum Implementation
ACADEMIC SESSION:2019-2020**

**Prepared by
Curriculum Implementation Committee
Department of Economics
Haflong Government College**

The Department of Economics, Haflong Govt. College has made certain plans for implementation of the Curriculum designed by affiliating Assam University, Silchar for the session 2019-20. The Department Of Economics has planned to implement the B.A. General Programme in the Choice Based Credit System (CBCS) for the students of the session 2019-20. The earlier programme of TDC Economics Pass Course designed by Assam University will also continue for TDC 5th and 6th semester for the session 2019-20. The following is the outline plan for implementation of the curriculum for the academic session 2019-20.

Teaching Methods of the Department: Lectures, Tutorials and Remedial classes.


Session-2019-20 (General Programme)

ODD SEMESTERS from August 2019 to December 2019

Semester -I Choice Based Credit System (CBCS)

Core Economics I: Principles of Microeconomics-I
ECODSC-101

Faculty	Unit no.	Unit name
Dr. B. Pathari	Unit-I	Introduction
H.R. Laskar	Unit-II	Consumer Theory
Dr. B. Pathari	Unit -III	Theory of Costs.
H.R. Laskar	Unit-IV	Theory of Production.
Dr. B. Pathari	Unit -V	Perfect competition.


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Semester -III(CBCS)

Core Economics III: Principles of Macroeconomics-I

Faculty	Unit no.	Unit name
H.R. Laskar	Unit-I	Introduction.
H.R. Laskar	Unit-II	National Income Accounting
Dr. B. Pathari	Unit -III	Determination of GDP
H.R. Laskar	Unit-IV	National Income Determination in an Open Economy with Government
Dr. B. Pathari	Unit -V	Money in Modern Economy.

Skill Enhancement Course(SEC)-II (CBCS)

ECOSEC-301: Data Analysis

Faculty	Unit no.	Unit name
H.R. Laskar	Unit-I	Sources of Data
H.R. Laskar	Unit-II	Univariate and bivariate frequency distributions.
Dr. B. Pathari	Unit -III	Introduction to Probability Theory.
H.R. Laskar	Unit-IV	Time Series Analysis.
Dr. B. Pathari	Unit -V	Basics Of index numbers.


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Semester V(Non CBCS)

Paper: ECOP 501: Development of Indian economy(Since Independence)-I

Faculty	Unit no.	Unit name
H.R. Laskar	Unit-I	Issues in Growth, Development and Sustainability.
Dr. B. Pathari	Unit -II	Factors in Development.
Dr. B. Pathari	Unit -III	Population and Economic Development.
H.R. Laskar	Unit-IV	Employment.
H.R. Laskar	Unit-V	Indian Development Experience.

EVEN SEMESTERS from January 2020 to June 2020

Semester-II (CBCS)

Core Economics II: Principles of Microeconomics-II

Faculty	Unit no.	Unit name
Dr. B. Pathari	Unit-I	Theory of Monopoly.
H.R. Laskar	Unit-II	Imperfect Competition.
Dr. B. Pathari	Unit -III	Markets and Market Failure.
H.R. Laskar	Unit-IV	Income Distribution and Factor Pricing.
Dr. B. Pathari	Unit -V	Welfare Economics.


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Semester IV (CBCS)

ECODSC-401

Core Economics IV: Principles of Macroeconomics-II

Faculty	Unit no.	Unit name
H.R. Laskar	Unit-I	IS-LM Analysis.
Dr. B. Pathari	Unit -II	GDP And Price Level in Short Run and Long Run.
Dr. B. Pathari	Unit -III	Inflation and Unemployment.
H.R. Laskar	Unit-IV	Balance of Payments and Exchange Rate.
Dr. B. Pathari	Unit: -V	International Trade.

ECOSEC-401

(CBCS)

Skill Enhancement Course (SEC)-II

Understanding the Economic Survey and Union Budget

Faculty	Unit no.	Unit name
H.R. Laskar	Unit-I	Government Expenditure.
H.R. Laskar	Unit-II	Sources of Government Revenue.
Dr. B. Pathari	Unit -III	Deficits.
H.R. Laskar	Unit-IV	Economic Survey.
Dr. B. Pathari	Unit: -V	The Union Budget.


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Semester-VI (Non CBCS)

Paper-ECOP 601: Development of Indian economy (Since Independence)-II

Faculty	Unit no.	Unit name
Dr. B. Pathari	Unit -I	Unemployment and Poverty
Dr. B. Pathari	Unit -II	External Sector
H.R. Laskar	Unit-III	Government Budget
H.R. Laskar	Unit-IV	Banking in India(A)
Dr. B. Pathari	Unit -V	Banking in India(B)


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DEPARTMENT OF ENGLISH : HAFLONG GOVERNMENT COLLEGE

PLAN FOR CURRICULUM IMPLEMENTATION

ACADEMIC SESSION 2019-2020

DUE TO COVID-19 CLASSES CONTINUED IN ONLINE MODE

ACCORDING TO COURSE DISTRIBUTION

PREPARED BY

CURRICULUM IMPLEMENTATION PLANNING COMMITTEE

DEPARTMENT OF ENGLISH


HAFLONG GOVERNMENT COLLEGE

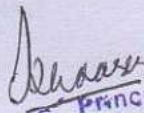
The Department of English of Haflong Government College has made a plan for implementation of the curriculum designed by the University to which the college is affiliated for the session 2019-2020. The Department of English implements the Three Years Six Semester Degree (CBCS) B.A. Honours Programme and Three Years Six Semester Degree (CBCS) B.A. General Programme designed by Assam University. The following is the outline plan for implementation of the curriculum for the academic session 2019-2020.

Odd and Even Semesters from 2019– 2020

Plan for Implementation of Three Years Six Semester Degree (CBCS) B.A. Honours Programme

The different units and topics thereof the course of Three Years Six Semester Degree (CBCS) B.A. Honours Programme have been allotted to individual teachers as mentioned in the following tables. Details of plan for each unit and topic will be designed by each of the teachers to whom the units of the course/courses are allotted. As per the guidelines of the university, internal assessment will be done by taking unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations though the marks secured in Internal Assessment will not be reflected in the marksheets of university conducted examinations for each semester.


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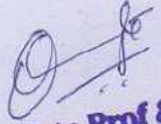
DEPARTMENT OF ENGLISH

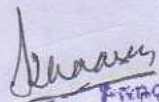
Renu Mahajan Gupta

August 2019- December 2019

CBCS(Choice Based Credit System)

Honours I	Unit 1 : (History) Shakespearean Drama	101
	Unit 4 : (Drama) William Shakespeare : Macbeth	101
	Unit 3 : (Poem) Toru Dutt : Our Casuarina Tree	102
	Unit 3 : (Poem) Nissim Ezekiel : The Night of the Scorpion	102
Discipline specific Core 1 st Sem	Elizabethan Drama (History) William Shakespeare : The Merchant of Venice (Drama)	
English as a Language Subject 1 st Sem	Unit 4 : Guy de Maupassant : The Necklace (Short Story)	
Ability Enhancement Compulsory Course 1 st Sem	Unit 3 : Summary, Paraphrasing Unit 5 : Report Writing , Letter Writing	
Honours III	Unit 2 : Thomas Gray : Elegy Written in a Country Churchyard	301
	Unit 1: Aristotle : Poetics , Translated with an introduction by Ingram Bywater , tragedy, plot, character, Tragic Hero, Catharsis	302
	Unit 4 : Mahasweta Devi : Draupadi	303
Discipline Specific Core 3 rd Sem	Unit 3 : W.H. Auden : The Unknown Citizen Philip Larkin : Church Going	
Alternative English 3 rd Sem	Unit 2 : Robert Frost : The Road not Taken Robert Frost : Mending Wall	
Skill Enhancement Course 3 rd Sem	Creative Writing Section III – Drama	
Non- CBCS		
Elective English 5 th Sem	E.M. Forster : What I Believe	
Honours V	Toru Dutt : Our Casuarina Tree (Poetry)	501
	A.K. Ramanujan : Another View of Grace (Poetry)	501
	Wole Soyinka : Kongi's Harvest (Poetry)	502

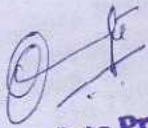

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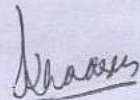

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Debbie Pakhuongte

CBCS (Choice Based Credit System)

Honours I	Unit 1 : (History) Renaissance Poetry	101
	Unit 3 : John Donne : The Sunne Rising	101
	William Shakespeare : Sonnet 73, 133	101
	Unit 5 : Mulk Raj Anand : Two Lady Rams	102
Discipline Specific Core 1 st Sem	Unit 1 : Elizabethan Sonnet Tradition Unit 2 : William Shakespeare : Sonnet 65, 116	
English as a Language Subject 1 st Sem	Richard Wright : Twelve Million black Voices	
Ability Enhancement Compulsory Course 1 st Sem	Unit 1 : Language and Communication Verbal and Non – Verbal (spoken and Written) Personal, Social and Business Unit 3 : Summary Paraphrasing	
Honours III	Unit 4 : Jonathan Swift : Gullivers' Travels (Book III)	301
	Unit 5 : Horace Satires : 1: 4 in Horace : Satires and Epistles and Persius : Satires , tr. Niall Rudd	302
	Unit 3 : Charlotte Perkins Gilman : The Yellow Wall C	303
Disciplinary Specific Core 3 rd Sem	Unit 2 : W.B. Yeats : The Second Coming	
Alternative English 3 rd Sem	Unit 1 : Emily Dickinson : Because I could not Stop for Death The Soul Selects Her Own Society	
Non- CBCS		
Elective English 5 th Sem	J.M. Synge : Riders to the Sea (Drama)	
Honours V	Nizzim Ezekiel : Enterprise (Poem) 501	501
	Kamla Das : An Introduction (Poem) 501	501
	Derek Walcott : Ruins of a Great house (Poem)	502


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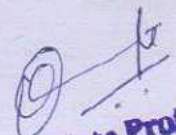

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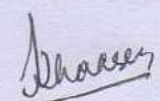


DINESH TIWARI

CBCS (Choice Based Credit System)

Honours I	Unit 1 (History) Drama before Shakespeare Unit 4 (Drama) C. Marlowe :Dr. Faustus C2 (History) Short Story in the Pre – Independence Period Sashi Deshpande : The Intrusion	103
Disciplinary Specific Core 1 st Sem	Spencer : Amoretti -75 John Donne : Valediction The Metaphysical Tradition	
English as a language Subject 1 st Sem	Tolstoy : God Sees the Truth but Waits	
Ability Enhancement Compulsory Course 1 st Sem	Unit 3 : Speaking Skills Dialogue, Group Discussion, Effective Communication, Mis- Communication , Interview, Public Speech	
Honours III	William Congreve : The Way of the World Sophocles : Oedipus the King Katherine Mansfield : Bliss	
Disciplinary Specific Core 3 rd Sem	Eliot : Preludes	
Alternative English 3 rd Sem	Arthur Miller : All My Sons	
Skill Enhancement Course 3 rd Sem	Creative Writing Section IV: Writing for the Media	
5 th Sem Elective English	Cardinal Newman: Knowledge its own End Russell : Road to Happiness	501


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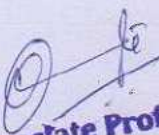

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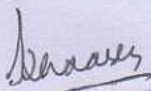


LALPARVUL PAKHUONGTE

CBCS (Choice Based Credit system)

Honours I	Unit 1 (History) Renaissance Prose	101
	Unit 2 (Poem) Edmund Spenser : Sonnet 67	101
	Unit 1 (History) The Growth of Prose in the late 19 th century	102
	Unit 2 (Novel) R.K. Narayan : Swami and Friends	102
Disciplinary Specific Core 1 st Sem	Unit 1 : (History) Beginnings of English Novel Unit 5: (Novel) Daniel Defoe : Robinson Crusoe	
English as a Language Subject 1 st Sem	Unit 5 : 1.Job Application 2. Paragraph Writing	
Ability Enhancement Compulsory Course 1 st Sem	Unit 3 : writing Skills, Report writing, Letter Writing Unit 5 : Comprehension	
Honours III	Unit 1 : The Sentimental Novel 301	301
	Unit 5 : Daniel Defoe : Robinson Crusoe 301	301
	Unit 1 : Emily Dickinson : Because I could not Stop for Death 302	302
	Unit 1 : Sylvia Plath: Daddu 302	302
Disciplinary Specific Core 3 rd Sem	Unit 4 : William Golding : The Lord of the Flies	
Alternative English 3 rd Sem	Unit 4 : O. Henry : After Twenty Years	301
	Unit 2 : Sylvia Plath : Lady Lazarus	301
Skill Enhancement Course 3 rd Sem	Creative Writing Section II Fiction	
Non – CBCS		
Elective English 5 th Sem	Bernard Shaw : Arms and The Man (Drama)	
Honours 5 TH Sem	Asif Currimbhoy : The Refugee (Drama)	501


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LALSANGZUALI TUOLOR

CBCS (Choice Based Credit System)

Honours I	Unit 1(History)Medieval Drama	101
	Unit 5 (Drama) John Dryden : Mac Flecknoe	101
	Unit3 (History)Growth and Development of Indian English Drama	102
	Unit 3 (Drama) : Tara	102
Disciplinary Specific Core 1 st Sem	Unit 1 (history) Influence of Puritan Movemnt Upon English Life & Literature Unit4 (Poem) John Milton : On His Blindness	
English as a Language Subject 1 st Sem	English as a Language Subject 1 st Sem Unit3 (Essay)Verrier Elwin : A Pilgrimage to Tawang	
Ability Enhancement Compulsory Course 1 st Sem	Unit 4 : Writing Skills I Documenting, Making Notes	
Honours III	Unit 1 : Poetry After Pope	301
	The Precursors of Romanticism	302
	Unit 4 : Plautus : Pot of Gold	
	Unit 1 : Eunice De Souza : Advice to Women Unit 5 : Mary Unit 5 : Mary Wollstonecraft : A Vindication of the Rights of Woman (Chapter 1,PP119,Chapter 2,PP 19-38)	303
Disciplinary Specific Core 3 rd Sem	Unit5 (Drama) John Osborne : Look Back in anger	
Alternative English 3 rd Sem	Unit1 (Poem)Walt Whitman : O Captain,My Captain Unit4(Short Story)Ernest Hemingway : The Snows of Kilimanjaro	
Skill Enhancement Course 3 rd Sem	Creative Writing Section I – Poetry	
Non – CBCS		
Elective English 5 th Sem	Chesterton :Archeology	
Honours v 501	Mahesh Dattani : Tara	

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PAPORI SENAPOTI
CBCS(Choice Based Credit System)

Honours I	The Elizabethan Theatre Prologue- The Knight, The Prioress Indian English Poetry from 1857-1920 Indian English Literature in the Post-Independence Phase Kamla Das : My Grandmother's house	103
Disciplinary Specific Core 1 st Sem	18 th Century Satire Alexander Pope : The Rape of the Lock	
English as a Language Subject 1 st Sem	Determiners, Prepositions, Verbs, Tenses, Subject Verb Concord, Voice Direct/Indirect Speech, Tag Question, Sentence Structures(Simple, Complex, Compound) Synthesis and splitting up of sentences	
Ability Enhancement Compulsory Course 1 st sem	Language of Communication	
Honours III	British Literature : 18 th century Unit 1: History of the Literature of the Period The age of Enlightenment The gothic and the Sublime Homer : Illiad, Book XVIII Alice Walker : The Color Purple	
Discipline Specific Core 3 rd Sem	Trends in Modern Poetry, Modern Drama, Modern Fiction	
Alternative English 3 rd Sem	Booker T. Washington : Struggle For an Education, From Up From Slavery	
Non-CBCS		
Elective English 5 th Sem	Rabindranath Tagore : Religion of the Forest	
Honours V	Randolph Quirk : what is Standard English ? Simon Potter : British and American English F.T. Wood : The Return of Persephone, Hay Fever Margaret Atwood : Progressive Insanities of a Pioneer, This is a Photograph of Me	

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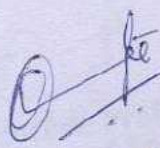
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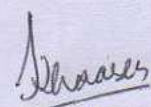
JANUARY 2020-JULY 2020

RENU MAHAJAN GUPTA

CBCS(Choice Based Credit System)

Honours II	Unit2(Poetry) John Milton Paradise Lost Book I(L1 to 125)	201
	Unit2(Poem)Robert Frost : The Road Not Taken (Poem) Langston Hughes : The Negro Speaks of Rivers	201
		202
Discipline Specific Core II Sem	Unit 1 (poem) Victorian Poetry Unit3(poem) Charles Lamb : Dream Children	
English as a Language Subject II Sem	Unit 1 : William Blake : The chimney Sweeper(From Songs of Experience and Innocence) William Wordsworth : The Daffodils, Composed Upon Westminster bridge	
Honours I	Unit 4 : P.B. Shelley : Ode to the Westwind, Ozymandias of Egypt	401
	John Keats : Ode to a Nightingale, Ode to Autumn Unit 5 : Robert Browning : My Last Duchess, The Last ride Together	402
	Unit 2 : Vyasa : Mahabharata 'Sabha Parva I' tr. Pratap Chandra Roy	403
Alternative English 4 th Sem	Unit 1 : Pablo Neruda : Cat's Dream, Love Sonnet XVII : I do not Love You	401
Discipline Specific Core 4 th Sem	Unit 1 :1: Toru Dutt : Our Casuarina Tree Unit 1:2 : Nissim Ezekiel : Marriage, Enterprise	401
Non-CBCS		
Elective English 6 th sem	The Return to Nature	
Honours VI	Unit 1(Fiction)Raja Rao : Kanthapura	601
	Unit 1(Fiction)Chinua Achebe : Things Fall Apart	602


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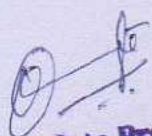

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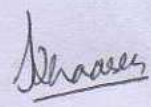


DEBBIE PAKHUONGTE

CBCS(Choice Based Credit System)

Honours II	Unit 1 (History)Growth of Periodicals Unit5(Poem)Alexander Pope : The Rape of the Lock(canto1) Unit3 (Novel)Arthur Miller : death of a Salesman	
Discipline Specific Core II Sem	Unit4(Novel)Charles Dickens : Oliver Twist Unit2(Poem)P.B. Shelley: Ode to the Westwind,To Skylark John Keats : To Autumn	
Honours IV	Unit3(Poem)William Wordsworth :Lines Written Upontintern Abbey S.T.Coleridge : Christabel	401
	Unit1 (History)Characteristics of Victorian Novel Pre-Raphaelite Poetry	402
	Unit4(Poem) Matthew Arnold : Dover Beach	402
	Unit4 Arthur W. Ryder(tr) : The Jackal and the War Drum The Jackal at the Ram-Fight from Book1	403
Discipline specific Core 4 th sem	Unit3(Short Story) Premchand : The Holy Panchayat	
Alternative English 4 th Sem	Unit2 Rainer Maria Rilke : Childhood Falling stars	
Elective English 6th Sem	The Interwar Years	
Honours VI	Unit 2(Non-Fiction)Nirad C.Chaudhuri: Money and the Englishman Unit1(Novel) V.S.Naipaul : Mimic Man	501


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DINESH TIWARI

CBCS(Choice Based Credit System)

Honours II	Unit 4 Aphra Behn: The Rover	201
	Unit1 Walt Whitman : O Captain,My Captain Passage to India C2(History)Short Story in the Pre-Independence Period Sashi Deshpande : The Intrusion	202
Discipline specific Core II Sem	Unit 1 (History) Romantic Poetry Unit2 (Poem) William Wordsworth: The solitary Reaper	
English as a Language subject II Sem	Unit3(Short story) Saki : The Open Window	
Honours IV	Unit 5 : Mary Shelley : Frankenstein	401
	Unit 4 : Alfred Tennyson :The Lady of Shalott Ulysees Unit 3 Sudraka : Mrechakatika, tr. Arthur Ryder : The Little Claycat	402 403
Elective English	The Victorian Age	


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LALPARVUL PAKHUONGTE

CBCS(Choice Based Credit system)

Honours II	Unit 1(history)Jacobean Drama	201
	Unit3(drama) John Webster : The duchess of Malfi	201
	Unit4 Edgar Allan Poe : The Purloined Letter	202
	Willliam Faulkner : Dry September	202
Discipline Specific Core II Sem	Unit 1(History)Victorian Fiction Unit 2(Poem) P.B.Shelley : Shelley John Keats : Ode to Autumn	
English as a Language II Sem	Unit 3 (Short Story) Ruskin Bond : The eyes are Not Here	
Alternative English IVth Sem	Unit 5 5.1: Anton Chekhov : A Marriage Proposal	
Discipline Specific Core IV Sem	Unit3 3.2 : R.K. Narayan : The M.C.C	
Honours IV Sem	Unit 1 : The Growth of Romanticism Romantic Poetry	401
	The Novel in the Romantic period	
	Unit2(Novel) Jane Austen : Pride and Prejudice	402
	Unit4(Short story)Panchatantra tr.Arthur W.Ryder 'The Loss of friend' 'The Wedge Pulling Monkey'	403
Non-CBCS		
Honours VI Sem	Unit1(Fiction)Bankim C. Chattopadhaya : RajMohan's Wife Unit 2 (Non-Fiction) Nehru : What is culture?	601

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CBCS (Choice Based Credit System)

Hons II Sem	Unit 1(History)Rise of the Novel Unit5(drama) Toni Morrison : Beloved	201 202
English as a Language II Sem	Unit 4(Essay)Durrell :Vanishing Animals Unit 5 (Essay) G.Orwell : Shooting An Elephant	
Discipline specific Core II Sem	Unit3 (Poem) A.Tennyson :Ulysses Robert Browning : My Last Duchess	
Honours IVSem	Unit 1 : (History) Women Novelists The Victorian Compromise Unit 2(Poem) William Blake : Introduction ,The Chimney Sweeper(From Songs of Innocence and Experience) Unit 5 (Poem) Christina Rosetti : The Goblin Market Unit 1 : Kalidas : Abhijan Shakuntalam.tr.Arthur w. Ryder : Shakuntala	402 401 403 403
Alternative English IV Sem	Unit 3 : 3.2 : Leo Tolstoy : How Much Land Does A Man Need	
Discipline Specific Core IV Sem	Unit 5 : 5.1 : Mahesh Dattani : Tara	
Non -CBCS		
Elective English	The Mid 20 th Century	
Honours VI Sem	Unit 2 (Non – Fiction)Tagore : What is Art Unit 2 (Drama) Ibsen : A Doll's House	601 603



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PAPORI SENAPATI
CBCS(CHOICE BASED CREDIT SYSTEM)

Honours II Sem	Unit 1 : Metaphysical Poetry, Restoration Drama, (C3), Anne Bradstreet : The Prologue (C4)	
Discipline Specific Core II Sem	Unit 1 : growth of Periodical Literature Romantic Fiction and Non- Fiction Unit 4 : Charles Lamb : Dream children : Reverie	
English as a Language II Sem	Unit 4 Marcel Junod : The First Atom Bomb Unit 5 George Orwell : Shooting An Elephant	
Honours IV Sem	Unit 3 : Charles Dickens : Great Expectations (C9) Unit 4 Ilango Adigal : The Book of Banci in Clippatikaram : The Tale of an Anklet (C10) Unit 5: Bharata : Natyashastra pp 101 – 18 , Ch.6 Sentiments (C10) Unit 1 : Romantic Criticism, Romantic Prose (C8)	
Discipline Specific Core IV Sem	Jayanta Mahapatra : 'Ash', 'Freedom' Kamala Das : The Dance of The Eunuch	
Alternative English IV Sem	Bankim Chandra Chatterjee : Anandmath in Translation	
Non – CBCS		
Elective English 6 th Sem	Critical Appreciation of a Given Poem	
Honours VI Sem	Edward said : Crisis in Orientalism Dostoyevsky : Crime and Punishment Kalidas : Abhijnayanam Shakuntalam	602 603 603


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ODD SEMESTER FROM AUGUST 2019 TO DECEMBER 2019

B.A. FIRST SEMESTER HONOURS PROGRAMME (CBCS)

COURSE CODE: HISHCC-101T

Name of Course: History of India I (upto Vedic Period)

Unit-I	Reconstructing Ancient Indian History: 1.Sources of Ancient Indian History: Literature, Archaeology- Epigraphy, Numismatics; Art & Architecture	Suravi Haflongbar
Unit II	Pre Historic Hunter- Gatherers 1. Palaeolithic Cultures: Brief overview of Palaeolithic Cultures, prominent Palaeolithic sites in India; Stone Industry & other technological developments. 3. Mesolithic Cultures: A brief overview	Dr. Golap Saikia
Unit III	The Advent of Food Production	Dr. Lina Jyoti Medhi
Unit IV	The Harappan Civilisation 1. Indus Valley Civilisation: Town Planning, Social Life, Economic Life, Religious beliefs & practices ; Arts & Crafts; and causes of decline.	Lallomjudi Darnei
Unit V	Vedic Civilisation 1. Early Vedic Age: Polity, Economy, Society and Religion 2. Later Vedic Aryans: Polity, Economy, Society and Religion	Debojit Phonglo

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ODD SEMESTER FROM AUGUST 2019 TO DECEMBER 2019

B.A. FIRST SEMESTER HONOURS PROGRAMME (CBCS)

COURSE CODE: HISHCC-102T

CC – 2: Social Formations & Cultural Patterns of the Ancient World

Unit-I	Evolution of Humankind: 1.Definitions of Prehistory, Proto history & History 2.Palaeolithic & Mesolithic – A Brief Overview	Valentina Bazeley
Unit II	Food Production: 1.Neolithic culture : A Brief Overview 2.Chalcolithic culture: A Brief Overview 3. Beginning of Agriculture & Animal Husbandry	Valentina Bazeley
Unit III	Bronze Age Civilisations 1.Egypt: a. The Old kingdom- Egyptian writing, building of pyramids b. The Middle Kingdom- Imperial Egypt, Egyptian Art & Architecture. c. The New Kingdom- Emergence and Decline 2.Mesopotamia: a. Early Sumer, b. Sumerian writing c. System of irrigation d. City states of Sumer e. Temples and Religion f. Hammurabi's Code of Laws.	Dr. Golap Saikia Priyanka Hojai
Unit IV	Nomadic Groups in Asia: 1.Advent of Iron in India and its implications 2. Emergence of Mahajanapadas 3.Rise of Magadha 4. Rise of Orthodox sects	Bharati Thaosen
Unit V	Ancient Greece: 1.Aristotle's Theory of Slavery 2City States in Ancient Greece-Athens & Sparta 3.Cultural contribution of Ancient Greece	Bharati Thaosen

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ODD SEMESTER FROM AUGUST 2019 TO DECEMBER 2019

B.A. FIRST SEMESTER PASS PROGRAMME (CBCS)

COURSE CODE: HISDSC/GEC-101T

Name of Course: History of India from Earliest Times upto 300 CE

Unit-I	1.Sources of Ancient Indian History: Literature, Archaeology, Epigraphy and Numismatics 2.Palaeolithic Cultures: Brief Overview 3.Mesolithic Cultures: Brief Overview	Priyanka Hojai
Unit II	1.Neolithic Cultures: Characteristics, Prominent Neolithic sites in India 2.Chalcolithic Cultures: Characteristics, Ahar and Jorwe Culture in India 3. Indus Valley Civilisation: Town Planning, Social life, Economic life, Religious practices and decline	Valentina Bazeley & Lallomjudi Darnei
Unit III	1.Vedic Age: Social, Political, Economic life of Early Vedic Aryans and Later Vedic Aryans 2.Conditions for the emergence of Mahajanapadas: Rise of Magadha 3.Jainism and Buddhism: Life and Teachings of Mahavira and Gautama Buddha	Dr. Golap Saikia & Bharati Thaosen
Unit IV	1.Alexander: Invasion of India and its effects 2.The Mauryas: Conquests and achievements of Chandragupta Maurya, Dharmma of Ashoka, Mauryan administration, causes of decline , Art and Architecture	Dr. Golap Saikia
Unit V	1.Kushans: Kanishka's conquests and achievements, art and culture during the reign of Kanishka with special reference to Gandhara school of art 2.The Sangam Literature 3.The Satavahanas: GautamiputraSatakarni, administration.	Dr. Lina Jyoti Medhi & Suravi Haflongbar

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ODD SEMESTER FROM AUGUST 2019 TO DECEMBER 2019

B.A. THIRD SEMESTER HONOURS PROGRAMME (CBCS)

COURSE CODE: HISHCC- 301T

Name of Course: History of India III (c.750 to 1206)

Unit-I	Studying Early Medieval India 1. Sources for the Study of Early Medieval history. 2. Rise of Rajputs-Salient features of Rajput states; Emergence of Mewar.	Suravi Haflongbar
Unit II	Political structures: 1.Cholas: Administration 2. Palas: Devapala & Dharmapala. 3.Arabs Conquest of Sind: a. Indian invasion of Sultan Mahmud of Ghazni (996-1030 AD) b. Advent of Muhammad Ghuri(1173-1205 A.D) and the Battle of Tarain.	Dr. Lina Jyoti Medhi
Unit III	Agrarian Structure and Social change: 1.Agricultural expansion;crops 2. Landlords and peasants 3.Proliferation of castes;status of untouchables 4.Tribes as peasants and their place in the Varna order.	Dr. Lina Jyoti Medhi
Unit IV	Trade and Commerce: 1.Inter- regional trade 2. Maritime trade 3. Process of Urbanisation 4. Merchants guilds of South India	Dr. Golap Saikia
Unit V	Religious and Cultural Developments: 1.Bhakti, Buddhism & Jainism 2. Islamic intellectual traditions: Al- Biruni 3. Art and Architecture:Cholas and Pallavas.	DebajitPhonglo

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B.A. THIRD SEMESTER HONOURS PROGRAMME (CBCS)

COURSE CODE: HISHCC-302T

Name of Course: Rise of Modern West--I

Unit-I	Transition fro Feudalism to capitalism: problems and theories.	Valentina Bazeley
Unit II	Early Colonial expansion: motives, voyages and explorations: the conquests of the Americas:beginning of the era of colonization; mining and plantation;the African slaves.	Valentina Bazeley
Unit III	Rennaissance: Its Social roots, city-states of Italy; spread of humanism in Europe;Art.	Dr. Golap Saikia
Unit IV	Economic developments of the sixteenth century: shift of economic balance from the Mediterranean to the Atlantic; Commercial Revolution; Influx of America Silver and the Price Revolution	Bharati Thaosen
Unit V	Emergence of European State system: Spain; France; England; Russia	Bharati Thaosen

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B.A. THIRD SEMESTER HONOURS PROGRAMME (CBCS)

COURSE CODE: HISHCC-303T

Name of Course: History of India IV (c.1206-1550)

Unit-I	Interpreting the Delhi Sultanate: Survey of sources: Persian tarikh tradition; vernacular histories; epigraphy	Priyanka Hojai
Unit II	Sultanate Political Structures-I: a.Foundation ,expansion and consolidationof the Sultanate of Delhi; The Khaljis and the Tughluqs; Mongol threats and Timur's invasion; The Lodis: Conquest of Bahlul and Sikandar; Ibrahim Lodi and the battle of Panipat.	Priyanka Hojai
Unit III	Sultanate Political Structures—II: a.Emergence of provincial dynasties: Bahamanis, Vijayanagar, Gujarat, Malwa, Jaunpur and Bengal. b. Consolidation of regional identities; regional art,architecture and literature.	Lallomjudi Darnei
Unit IV	Society and Economy: a.Iqta and the revenue-free grants b.Agriculturalproduction;technology c.Changes in rural society; revenue system d. Monetization; market regulations;growth of urban centres; trade and commerce; Indian Ocean trade.	Lallomjudi Darnei
Unit V	Religion,Society and Culture: a.Sufisilsilas: Chishtis and Suhrawardis; doctrines and practices;social roles b. Bhakti movements and monotheistic traditions in south and North India; Women Bhaktas; Nathpanthis;Kabir,Nanak and the Sant tradition. c. sufi literature: malfuzat; premakhayans	Suravi Haflongbar

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B.A. THIRD SEMESTER PASS PROGRAMME (CBCS)

COURSE CODE: HISDSC/GEC-301T

Name of Course: History of India from C.1206 to 1707

Unit-I	1.Sources of Medieval Indian History: Literary & Archaeological Sources. 2. Foundation, Expansion & Consolidation of the Delhi Sultanate: a. Qutubuddin Aibak- Conquest and achievements. b. Iltutmish- Consolidation of sultanate. c. Ghiyasuddin Balban- His theory of kingship.	Dr. Lina Jyoti Medhi
Unit II	1.Allauddin Khalji- Economic Policy. 2. Muhammad-bin-Tughluq- The various schemes of Muhammad-bin-Tughluq. 3. Causes of downfall of Delhi sultanate.	Lallomjudi Darnei
Unit III	1.The Bhakti Movement- Kabir,Nanak, Chaitanya. 2.Sufism and its impacton Indian culture. Provincial Kingdoms: a. Vijayanagara: Deva Raya II, Krishna Deva Raya III.	Valentina Bazeley
Unit IV	1.Emergence and consolidation of Mughal State, C.16 th century to mid 17 th century: a. Foundation of Mughal Empire by Babur. b. Akbar- Religious policy with special reference to Din-i-Ilahi. c. Shah Jahan: Development o art and architecture. d. Aurangzeb:His Religious Policy.	Priyanka Hojai
Unit V	1.Administration of Sher Shah. 2. Mughal Administration. 3.Causes of downfall of the Mughals. 4. Marathas: Shivaji.	Suravi Haflongbar

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ODD SEMESTER FROM AUGUST 2019 TO DECEMBER 2019

B.A. THIRD SEMESTER PASS PROGRAMME (CBCS)

COURSE CODE: HISSEC- 301T

Name of Course: Archaeology & Museology

Unit-I	1.Definition of Archaeology, Aims and Scope; relationship of Archaeology with History;brief overview of different types of archaeology	Valentina Bazeley
Unit II	1.Archaeology in India: Establishment of the Asiatic Society; Alexander Cunningham and the establishment of the Archaeological Survey . 2.Contributions of John Marshall and Mortimer Wheeler in Indian Archaeology.	Dr. Golap Saikia
Unit III	1.Contributions of R.D.Banerjee and Dayaram Sahani in the field of archaeology.	Dr.Lina Jyoti medhi
Unit IV	1.A study of the archaeological sites-Madan Kamdev & Surya Pahar.	Bharati Thaosen
Unit V	1.Definition of Museology, Scope of Museology;History of Museum in India; 2.Types of Museum-Specialised Museum & General Museum 3. A.study of Indian Museum, Kolkata; National Museum,New Delhi & State Museum,Guwahati.	Dr. Lina Jyoti Medhi

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**ODD SEMESTER FROM AUGUST 2019 TO DECEMBER 2019
B.A. FIFTH SEMESTER HONOURS PROGRAMME (NON-CBCS)**

COURSE CODE: HISH501

Name of Course- History of Europe 1871-1945

Unit-I	Industrialization in Europe, difference in Industrialization process between England and the continent- French, German and Russian Industrialisation- rise of the working class movement and the socialist thought European Imperialism: The impetus behind colonial expansion-scramble for colonies in Asia and Africa	Bharti Thaosen
Unit-II	Bismarckian Diplomacy Eastern question in the late nineteenth century and the Balkan nationalism- William II and the new course in the German foreign policy, Anglo- German antagonism-Triple alliance, Triple entente	Lallomjudi Darnei
Unit-III	Origins of the First World War Russian Revolution:origin and impact on European politics	Dr. Lina Jyoti Medhi
Unit-IV	Peace settlement of 1919 and its consequences- the establishment of the Weimar Republic	Suravi Haflongbar
Unit-V	Consolidation and development of Soviet states, fascism In Italy, League of Nations, The economic depression, the collapse of the Weimer state, Rise of Nazi power, outbreak of the second world war	Suravi Haflongbar

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ODD SEMESTER FROM AUGUST 2019 TO DECEMBER 2019
B.A. FIFTH SEMESTER HONOURS PROGRAMME (NON-CBCS)

COURSE CODE: HISH502

Name of Course: Historiography

Unit-I	Meaning, Scope and Sources of History Literature, Archaeology, Epigraphy, Numismatics, foreign accounts, archival sources	Valentina Bazeley
Unit-II	Historical objectivity, concept and debate	Dr. Golap Saikia
Unit-III	Tradition of historical writing, Graeco- Roma traditon	Valentina Bazeley
Unit-IV	Medieval historiography, Theocratic school- St. Augustine and cyclical school of Ibn Khaldun	Valentina Bazeley
Unit-V	Modern Historiography Enlightenment, historiography in Europe, Romanticist school, English histories- Edward Gibbon, Thomas Carlye, Arnold Toynbee	Bharati Thaosen

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**ODD SEMESTER FROM AUGUST 2019 TO DECEMBER 2019
B.A. FIFTH SEMESTER HONOURS PROGRAMME (NON-CBCS)**

COURSE CODE: HISH503

Name of Course- Indian Historiography

Unit-I	Indian Historical Tradition, Historicity of the Puranas, Historical Biographies in ancient India, Ancient Indian historical tradition	Bharati Thaosen
Unit-II	Histories of Sultanate period- Nizami, Amir Khusru, Isami, Zia-ud-din Barni Historical tradition from the time of Akbar, Nizam-ud-din Ahmed Badauni, Abul Fazl, Abdul Lahori, Bernier. Historical Writing from Jahangir to Aurangzeb Mughal historiography: and assessment	Priyanka Hojai
Unit-III	British historians in India and the rise of Imperialist historiographies of India: James Mill, Macaulay, Elphinstone, Alfred Layll, Vincent Smith and W.H. Moreland Orientalism in India: Calcutta, Max Muller, William Jones, Asiatic Society of Bengal	Dr. Golap Saikia & Bharati Thaosen
Unit-IV	Nationalist historians: R.C.Majumdar, Jadunath Sarkar, S.N.Sen An assessment of nationalist historiography in India	Dr. Lina Jyoti Medhi
Unit-V	Early Marxist Historians:D.D.Kosambi, R.P.Dutt, and Mohammad Habib An assessment of Marxist Historiography of India	Dr. Golap Saikia

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ODD SEMESTER FROM AUGUST 2019 TO DECEMBER 2019
B.A. FIFTH SEMESTER PASS PROGRAMME (NON-CBCS)
COURSE CODE: HISP501

Name of Course: History of Modern World 1914-1939

Unit-I	World War I and Peace treaties Causes of the War	DebajitPhonglo
Unit-II	Peace treaties after the war	DebajitPhonglo
Unit-III	Russian Revolution Causes of 1917 Revolution, and results. Soviet Russia under Lenin and Stalin	Lallomjudi Darnei & Suravi Haflongbar
Unit-IV	Rise of Totalitarian dictatorship in Europe, Fascism in Italy, Causes of rise of fascism in Italy and Mussolini Home and Foreign Policy of Mussolini	Bharati Thaosen
Unit-V	Nazism in Germany Causes of rise of Nazism and Adolf Hitler Home and foreign policy of Hitler	Suravi Haflongbar

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DEPARTMENT OF HISTORY
HAFLONG GOVERNMENT COLLEGE
PLAN FOR CIRRICULUM IMPLEMENTATION ACADEMIC SESSION 2020-2021

Prepared by
Curriculum Implementation Committee
Department of History
Haflong Government College

V Bazeley
Associate Professor & Head
Department of History
Haflong Govt. College

[Signature]
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DEPARTMENT OF HISTORY : HAFLONG GOVERNMENT COLLEGE

PLAN FOR CURRICULUM IMPLEMENTATION

ACADEMIC SESSION 2020 – 2021

PREPARED BY

CURRICULUM IMPLEMENTATION PLANNING COMMITTEE

DEPARTMENT OF HISTORY

HAFLONG GOVERNMENT COLLEGE

The department of HISTORY of HAFLONG GOVERNMENT COLLEGE has made a plan for Implementation of the curriculum designed by the University to which the college is affiliated for the session 2018- 2019 . The Department of HISTORY implements the Three Years Six Semester Degree (CBCS) B.A Honours Programme and Three Six Semester Degree (CBCS) B.A General Programme designed by Assam University. The following is the outline plan for Implementation of the curriculum for the academic session 2020 – 2021

Odd & Even Semesters from 2020 – 2021

Plan for Implementation of Three Years Six Semester Degree (CBCS) B.A. Honours Programme .

The different units and topics thereof the course Three Years Six Semester Degree(CBCS) B.A. Honours Programme have been allotted to individual teachers as mentioned in the following tables. Details of plan for each unit and topic will be designed by each of the teachers to whom the units of the course/courses are allotted . As per the guidelines of the university , internal assessment will be done by taking unit tests of 20 marks for each course in each Semester. Qualifying the tests is mandatory for appearing in the end Semester examinations though the marks secured in internal Assessment will not be reflected in the marksheets of university conducted examination for each Semester.

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EVEN SEMESTER FROM JANUARY 2020 TO JUNE 2020
B.A. SECOND SEMESTER HONOURS PROGRAMME (CBCS)

Course Code : HISHCC-201T

Name of Course : **History of India II (C.300 BCE to 750 CE)**

Unit-I	Economy and Society (circa 300 bCE to circa C.E 300): 1. Urban growth: Craft Production; Trade & Trade Routes. 2. Emergence of Varna & Jati.	Bharati Thaosen
Unit II	Changing political formations(circa 300 BCE to circa C.E 300): 1. The Mauryan Empire – administration. 2. Kautilya Arthasashtra; Megasthenese of Indica. 3. Post Mauryan Politics: a. Kushanas – Kanishka b. Satavahanas – Gautamiputra Satakarni.	Valentina Bazeley
Unit III	Towards early Medieval India (circa CE fourth century to CE 750): 1. Agrarian Expansions: Landgrants, Condition of Peasantry. 2. The nature of politics: a. Gupta Empire – administration. b. Harshavardhan – administration.	Lallomjudi Darnei
Unit IV	Religion, philosophy and society(circa 300 BCE to C.E 750): 1. Condolidation of the brahminical tradition: Varnashramdharma, Purusharthas. 2. Theistics cults (from circa second centuryBC): Mahayana; the puranic tradition. 3. The beginning of Tantricism.	Dr.Lina Jyoti Medhi
Unit V	Cultural developments(circa 300 BCE to C.E 750): 1. A brief survey of Sanskrit and Tamil Literature. 2. Mauryan Architecture & Gupta Architecture.	Suravi Haflongbar

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**EVEN SEMESTER FROM JANUARY 2020 TO JUNE 2020
B.A. SECOND SEMESTER HONOURS PROGRAMME (CBCS)**

Course Code : HISHCC-202T

**Name of Course : Social Formations and Cultural Patterns of the Medieval
World**

Unit-I	Roman Republics, Participate and Empire & slave society in ancient Rome: Agrarian economy, urbanization, trade.	Dr. Golap saikia
Unit II	1. Religion and culture in ancient Rome. 2. Crises of the Roman Empire.	Dr. Golap saikia
Unit III	1. Economic developments in Europe from the 7 th to the 14 th centuries: Organizations of production, towns and trade, technological developments, crises of feudalism.	Bharati Thaosen
Unit IV	1. Religion and Culture in medieval Europe	Priyanka Hojai
Unit V	Societies in Centra Islamic Lands: a. The tribal background, ummah, Caliphate state; rise of Sultanates. b. Religious developments: the origins of Shariah, Mihna, Sufism. c. Urbanization and trade.	Priyanka Hojai

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EVEN SEMESTER FROM JANUARY 2020 TO JUNE 2020
 B.A. SECOND SEMESTER PASS PROGRAMME (CBCS)
 Course Code : HISDSC/GEC-201T
 Name of Course : **History of India from C.300 to 1206**

Unit-I	1.Kushanas; Kanishka's conquests & achievements, development of art & architecture during the reign of Kanishka with special reference to Gandhara School of art. 2.The Sangam Literature. 3.The Satavahanas: Gautamiputra Satakarni; Administration	Dr. Lina Jyoti Medhi
Unit - II	1.The Guptas: a. Military conquests under Samudragupta & Chandragupta II b. Gupta Administration. c. Causes of decline of the Guptas. 2.Harshavardhana: a. Conquests and achievements b. Administrative system of Harsha	Valentina Bazeley & Suravi Haflongbar
Unit-III	1.South India: a. Contribution of the Cholas & Pallavas to Indian Culture. b.Administrative system of the Cholas & Pallavas. 2. Towards the Early Medieval. a. Cultural contributions of the Chalukyas.	Lallomjudi Darnei
Unit-IV	1.Evolution of Political Structures: a.Political achievements of Devapala & Dharmapala. b.Pratiharas- their administration. c. Rashtrakutas- development of art & architecture.	Priyanka Hojai
Unit - V	1.Arabs conquests of Sindh. 2.Indian invasion of Sultan Mahmud of Ghazni (996-1030 A.D) 3.Advent of Muhammad Ghuri(1173-1205 A.D) and Battles of Tarain.	Bharati Thaosen & Dr.Golap Saikia

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**EVEN SEMESTER FROM JANUARY 2020 TO JUNE 2020
B.A. FOURTH SEMESTER HONOURS PROGRAMME (CBCS)**

Course Code : HISHCC-401T

Name of Course : Rise of Modern West-II

Unit-I	17 th century European crisis: economic, social and political dimensions.	Valentina Bazeley
Unit II	The English Revolution: major issues, political and intellectual currents.	Lallomjudi Darnei
Unit III	European politics in the 18 th century: parliamentary monarchy; patterns of Absolutism in Europe.	Bharati Thaosen
Unit IV	Political and economic issues in the American Revolution	Dr. Golap Saikia
Unit V	Preludes to the Industrial Revolution	Suravi Haflongbar

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EVEN SEMESTER FROM JANUARY 2020 TO JUNE 2020
B.A. FOURTH SEMESTER HONOURS PROGRAMME (CBCS)
Course Code : HISHCC-402T
Name of Course : **History of India- V (c.1550-1605)**

Unit-I	Sources and Historiography: a. Persian literary culture; translations; Vernacular literary traditions. b. Modern Interpretations.	Valentina Bazeley
Unit II	Establishment of Mughal rule: a. India on the eve of Babur's invasion. b. Fire arms, military technology and warfare. c. Humayun's struggle for empire. d. Sher Shah and his administrative and revenue reforms.	Dr. Lina Jyoti Medhi
Unit III	Consolidation of Mughal rule under Akbar: a. Campaigns and conquests: tactics and technology. b. Evolution of administrative institutions: zabt, mansab, jagir, madad-i-maash. c. Revolts and resistance.	Lallomjudi Darnei
Unit IV	Expansion and Integration: a. Incorporation of Rajputs and other indigenous groups in Mughal nobility. b. North – West frontier, Gujarat and the Deccan. c. Conquest of Bengal.	Priyanka Hojai
Unit V	Rural Society and Economy: a. Land rights and revenue system; Zamindars and peasants; rural tensions. b. Extension of agriculture; agricultural production; crop patterns. c. Trade routes and patterns of internal commerce; overseas trade; rise of Surat.	Bharati Thaosen

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EVEN SEMESTER FROM JANUARY 2020 TO JUNE 2020
 B.A. FOURTH SEMESTER HONOURS PROGRAMME (CBCS)
 Course Code : HISHCC-403T
 Name of Course : **History of India- V (1605 - 1750)**

Unit-I	Sources: Persian and vernacular literary cultures, histories, memoirs and travelogues.	Priyanka Hojai
Unit II	Political Culture under Jahangir and Shah Jahan: a. Extension of Mughal rule; changes in mansab and jagir systems; imperial culture. b. Orthodoxy and syncretism – Naqshbandi Sufis, Miyan Mir, Dara Shukoh, Sarmad.	Suravi Haflongbar
Unit III	Mughal Empire under Aurangzeb: a. State and religion under Aurangzeb; issues in the war of succession; policies regarding Religious groups and institutions. b. Conquest and limits of expansion. c. Beginning of the crisis: contemporary perceptions; agrarian and jagir crisis; revolts.	Dr. Golap Saikia
Unit IV	Patterns of Regional Politics: a. Rajput political culture and state formation. b. Deccan kingdoms; emergence of the Marathas; Shivaji; expansion under the Peshwas. c. Mughal decline; emergence of successor states. Interpreting eighteenth century India: recent debates.	Dr. Lina Jyoti Medhi
Unit V	Trade and Commerce: a. Crafts and technologies; Monetary system. b. Markets; transportation; urban centres. c. Indian Ocean trade network.	Priyanka Hojai & Bharati Thaosen

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44

EVEN SEMESTER FROM JANUARY 2020 TO JUNE 2020
B.A. FOURTH SEMESTER PASS PROGRAMME (CBCS)
Course Code : HISHDSC/GEC-401T
Name of Course : **History of India from 1707 to 1950**

Unit-I	<ol style="list-style-type: none"> 1. Emergence of Independent States & establishment of Colonial power: <ol style="list-style-type: none"> a. Bengal (Battle of Plassey & Buxar, Robert Clive) 2. Expansion & consolidation of Colonial Power upto 1857: <ol style="list-style-type: none"> a. Subsidiary Alliance. b. Doctrine of Lapse. 	Dr.Lina Jyoti Medhi
Unit II	<ol style="list-style-type: none"> 1. Revolt of 1857 – causes & effects, causes of its failure. 2. Nature and character of the Revolt of 1857. 	Suravi Haflongbar
Unit III	<ol style="list-style-type: none"> 1. Socio- Religious Movements in the 19th century: <ol style="list-style-type: none"> a. Raja Ram Mohan Roy & Brahmo Samaj. b. Ishwarchandra Vidyasagar. c. Ramkrishna Mission. d. Aligarh Movement. 	Lallomjudi Darnei
Unit IV	<ol style="list-style-type: none"> 1. Emergence & Growth of Nationalism with focus on Gandhian nationalism: <ol style="list-style-type: none"> a. Foundation of the Indian National Congress – aims & objectives. b. Partition of Bengal and Swadeshi Movement. c. Non Co-operation Movement. d. Civil Disobedience Movement. e. Quit India movement. f. Role of INA & Netaji. 	Priyanka Hojai
Unit V	<ol style="list-style-type: none"> 1. a. Factors responsible for the partition of India. b. Constituent Assembly. c. Characteristics of Indian Constitution. 	Valentina Bazeley

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EVEN SEMESTER FROM JANUARY 2020 TO JUNE 2020
 B.A. FOURTH SEMESTER PASS PROGRAMME (CBCS)
 Course Code : HISSEC-401T
 Name of Course : **Evolution of Indian Culture**

Unit-I	Introduction: a. Culture: Definition. b. Characteristics of Culture. c. Importance of Culture in human Life.	Valentina Bazeley
Unit II	Performing Arts I: a. Indian Classical Music: Hindustani Classical Music, Karnataki Classical Music. b. Indian Classical Dance: Kathak and Bharatnatyam	Dr.Golap Saikia
Unit III	Performing Arts II: a. Folk Music: Definition, Types of Indian Folk Music. b. Folk songs of South Assam. c. Historical Developments of the following instruments and their importance in Indian Music: Tanpura and Tabla.	Dr.Golap Saikia
Unit IV	Eminent Personalities & their contribution to Indian Culture: a. Pandit Ravi Shankar b. Ustad Bismillah Khan. c. Pandit Birju Maharaj. d. Dr. Bhupen Hazarika.	Dr. Lina Jyoti Medhi
Unit V	a. Rabindranath Tagore & Visva Bharati. b. Fairs & Festivals: Basanta utsab & Poush Utsab.	Bharati Thaosen & Dr. Lina Jyoti Medhi

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EVEN SEMESTER FROM JANUARY 2020 TO JUNE 2020
B.A. SIXTH SEMESTER HONOURS PROGRAMME (NON-CBCS)

Course Code : HISH-601

**Name of Course : : History of North East India with Special Reference to
Assam,1228-1826**

Unit-I	Land and the people of North East India and influence of Geography on history of the North East India. Political scenario of 13th century North East India- effect of disintegration of ancient kamrupa kamata Kingdom, invasions of Turko Afghan rules and its impact	Bharati Thaosen
Unit-II	Emergence of independent kingdoms-The kingdom of Koch,Heramba(Cachar),Jaintia and Tripura-internal Political development and cultural activities.	Dr.Golap Saikia
Unit-III	Foundation and expansion of Ahom Kingdom in Upper Brahmaputra Valley from 1616-1669. origin of the Ahoms,foundation of the Ahom Kingdom,expansion of territories till 1639	Dr.Lina Jyoti Medhi
Unit-IV	Ahom's struggle with the Mughals -1616 – 1639, Ahom relations with Cacharis, Jaintias, Manipur, Tripura .	Bharati Thaosen
Unit-V	Burmese invasion of Assam-Internal political condition of	Bharati Thaosen

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EVEN SEMESTER FROM JANUARY 2020 TO JUNE 2020
B.A. SIXTH SEMESTER HONOURS PROGRAMME (NON-CBCS)

Course Code : HISH-602

Name of Course : : History of North East India, 1824-1947

Unit-I	Establishment of British rule in Assam	Dr.Golap Saikia
Unit-II	Frontier policy of the British and British relation with the hill tribes of North East India. British Paramountcy in Naga ,Khasi Hills, Jaintia Hills ,Garos Hills and British risings in these Hills .	Dr.Golap Saikia
Unit-III	Relations with Tripura and Manipur, Nature of colonial intervention. Pattern of British Administration in the Hills.	Bharati Thaosen
Unit-IV	Organised nationalist Movement in Assam, Resistance Movements in the Hills.	Lallomjudi Darnei
Unit-V	Muslim League and its activities in the North East India . Independence partition and its impact on North East India	Priyanka Hojai

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**EVEN SEMESTER FROM JANUARY 2020 TO JUNE 2020
B.A. SIXTH SEMESTER HONOURS PROGRAMME (NON-CBCS)**

Course Code : HISH-603

Name of Course : : Gender History of India

Unit-I	Introduction to Gender History, Gender as a Social construct, what are women studies, What is feminism, shift from Women's studies to Gender Studies	Valentine Bazeley
Unit-II	State of Women in Pre Colonial Indian Society :	Valentine Bazeley
Unit-III	Gender Relations in colonial India:Debate around Sati, Age of Consent Bill, Issue of Widow Remarriage,Child marriage	Valentine Bazeley
Unit-IV	Social Reform Movements and its impacts ,Issues of women education	Dr. Lina Jyoti Medhi
Unit-V	Women in Nationalist Movement : Participation in Congress, in Gandhian mass movements, peasant and tribal struggles ,Partition and its aftermath	Priyanka Hojai

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**EVEN SEMESTER FROM JANUARY 2020 TO JUNE 2020
B.A. SIXTH SEMESTER PASS PROGRAMME (NON-CBCS)**

Course Code : HISP-601

Name of Course : : History of Modern World 1939-1945

Unit-I	Formation of two blocks after the Second World War . The Cold War :Origin of the Cold War Progress of Cold War between two Blocks-Soviet and the West . End of Cold War	Bharati Thaosen
Unit-II	Non-Aligned Movement Non-Aligned Movement and the Cold War	Bharati Thaosen
Unit-III	Awakening in Africa Freedom Movements	Bharati Thaosen
Unit-IV	International Organizations for maintaining world peace since 1919 League of Nations and UNO Aims,objectives and organization of League of Nations	Suravi Haflongbar
Unit-V	UNO Aims,objectives and organs of UNO,Activities of UNO,Achievements of UNO-Political and humanitarian	Lallomjudi Darnei

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Department of Philosophy:: Haflong Government College
Plan for Curriculum Implementation:: ACADEMIC SESSION 2019-2020

The Department of Philosophy of Haflong Government College has made the following plan for implementation of the Curriculum designed by the affiliating Assam University for the Session 2019-2020. Assam University has introduced the TDC CBCS programme for BA General as well as B A Honours programme in Philosophy from the session 2018-19. The Department of Philosophy has prepared a plan to implements the BA Honours Programme as well as the B A General Programme in the Choice Based Credit System for 1st, 2nd, 3rd and 4th Semesters for the session 2019-2020. The earlier programmes of TDC Philosophy Honours and Philosophy Pass Course of BA Pass Programme designed by Assam University will also continue for TDC 5th and 6th Semesters in the session 2019-20. The following is the outline plan for implementation of the curriculum for the academic session 2019-2020.

ODD SEMESTERS from August 2019 to December 2019

Plan for Implementation of B A (Philosophy) Honours and B A (Philosophy) General CBCS Programme

BA First SEMESTER Honours Programme:

Course Code:PHPHCC101T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course::Epistemology and Metaphysics (Indian)

Unit	Topic	Allotted to
I	General Ideas about the Schools of Indian Philosophy. Concept of Rta, Law of Karma, Upaniṣadic Concept of (Self) Ātman	Rajnandini Das
II	Cārvāka-epistemology, Metaphysics Jainism Syādvāda, Anekāntavāda	Rajnandini Das
III	Buddhism: Pratityasamutpāda, Nairātmavāda, Kṣaṇikatvavāda, Four Noble Truths	Punyamoni Baruah
IV	Nyāya : Pramā & Pramāṇa, Pratyakṣa, Anumāna and its Kinds,	Amitra Langthasa
IV	Vaiśeṣika Atomism, Padārtha, Sāmānaya, Viśeṣa, Samavāya, Abhāva	Rajnandini Das
V	Sāṅkhya: Prakṛti, Puruṣa, Evolution	Amitra Langthasa
V	Viśiṣṭadvaita: Rāmānuja's Criticism of Śankara's Māyā, Brahman	Paran Borthakur

Continuous and Comprehensive Assessment(CCE):As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be reflected in grade-sheet.

Course Code:PHPHCC102T, Credits-06, Full Marks-100, Pass Marks-40

Department of Philosophy:: Haflong Government College
Plan for Curriculum Implementation:: ACADEMIC SESSION 2019-2020

Name of Course::Logic-1

Unit	Topic	Allotted to
I	Nature of Logic, Truth and Validity, Argument and Argument Form	Rajnandini Das
II	Kinds of Proposition::Traditional and Modern	Amitra Langthasa
II	Square of Opposition::Traditional, Aristotelian, Boolean	Punyamoni Baruah
III	Immediate Inference: Conversion, Obversion, Contraposition, Mediate Inference: Categorical syllogism, Copi's Six Rules	Paran Borthakur
III	Figure and Mood, Venn Diagram, Technique for Testing Syllogism	Punyamoni Baruah
IV	Symbolization, Testing Validity by Truth-table Method, Shorter Truth-table Method for Proving Invalidity.	Amitra Langthasa
V	Formal Proof of Validity (Nine Rules of Inference)	Paran Borthakur

Continuous and Comprehensive Assessment(CCE):As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be reflected in grade-sheet

BA Third SEMESTER Honours Programme

Course Code:PHPHCC301T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: History of Modern Western Philosophy

Unit	Topic	Allotted to
I	Descartes: Method, Idea, Substance	Punyamoni Baruah
II	Spinoza, Substance, Attribute, Mode	Punyamoni Baruah
II	Leibnitz: Monadology	Amitra Langthasa
III	Locke: Refutations of Innate Ideas, Representationism Berkeley: Subjective Idealism	Rajnandini Das
III	Hume: Scepticism	Paran Borthakur
IV	Kant; Synthetic A priori judgement, Categories of Understanding, Transcendental Deduction	Paran Borthakur
V	Hegel and Marx: Dialectical Materialism, Marx's Concept of Alienation	Amitra Langthasa

Continuous and Comprehensive Assessment(CCE):As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be reflected in grade-sheet.

Department of Philosophy:: Haflong Government College
Plan for Curriculum Implementation:: ACADEMIC SESSION 2019-2020

Course Code:PHPHCC302T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: Social and Political Philosophy

Unit	Topic	Allotted to
I	Social and Political Philosophy: Scope and Concerns: Its relation to Sociology and Ethics	Rajnandini Das
II	Society, Nation and State.	Rajnandini Das
III	Social Progress, Reform, Revolution, Democracy, Secularism.	Paran Borthakur
IV	Relation between a Individual and Society: Individualism, Collectivism, Social- Contract Theory.	Amitra Langthasa
V	Justice, Liberty and Equality; Terrorism and Insurgency	Punyamoni Baruah

Continuous and Comprehensive Assessment(CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the end semester examinations conducted by university.

Course Code:PHPHCC303T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: Ethics-II

Unit	Topic	Allotted to
I	Nature and Scope of Meta-ethics G.E. Moore: Indefinability of Good and Naturalistic Fallacy.	Amitra Langthasa
II	Emotivism (Ayer and Stevenson) Prescriptivism(R.M. Hare)	Amitra Langthasa
III	Concept of Medical Ethics, Business Ethics Morality in Public Life: Ethics and Politics, Corruption.	Paran Borthakur
IV	Contemporary Ethical Problems: Animal Ethics, Animal Rights, Amniocentesis, Euthanasia	Punyamoni Baruah
V	Feminist Ethics: Nature and Scope, Sex and Gender, Gender Justice.	Punyamoni Baruah

Continuous and Comprehensive Assessment(CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the end semester examinations conducted by university.

Department of Philosophy:: Haflong Government College
Plan for Curriculum Implementation:: ACADEMIC SESSION 2019-2020

SEC- 301, Credits-04, Full Marks-50, Pass Marks-20 Logical Reasoning

Unit No.	Topics	Allotted to
I	Understanding the structure of Arguments, Deductive and Inductive Reasoning, Logical Diagrams, Venn Diagrams, Analytical Reasoning	Paran Borthakur
II	Syllogism, Rules of Syllogism, Fallacies of Syllogism	Amitra Langthasa
III	Primacy of Logical Reasoning, Anumāna: Definition, Constituents, Process and Types, Pakṣatā, Parāmarśa and Vyāpti, Hetvābhāsa	Punyamoni Baruah
IV	Elementary Notions and Principles of truth Functional Logic- Negation, Conjunction, Disjunction etc.	Punyamoni Baruah
V	Techniques of Symbolisation, Proof Construction- Direct, Indirect and Conditional	Paran Borthakur

Plan for implementation of BA (General) Philosophy Programme

First Semester: Course Code: PHPDSC101T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: Logic

Unit	Topic	Allotted to
I	Nature of Logic, Truth and Validity, Argument and Argument Form	Rajnandini Das
II	Kinds of Proposition:: Traditional and Modern	Amitra Langthasa
II	Square of Opposition:: Traditional, Aristotelian, Boolean	Punyamoni Baruah
III	Immediate Inference: Conversion, Obversion, Contraposition, Mediate Inference: Categorical syllogism, Copi's Six Rules	Paran Borthakur
III	Figure and Mood, Venn Diagram, Technique for Testing Syllogism	Punyamoni Baruah
IV	Symbolization, Testing Validity by Truth-table Method, Shorter Truth-table Method for Proving Invalidity.	Amitra Langthasa
V	Formal Proof of Validity (Nine Rules of Inference)	Paran Borthakur

Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be reflected in grade-sheet.

Plan for implementation of BA (General) Programme in other discipline offering Philosophy as Discipline Specific Core (DSC-2)

First Semester: Course Code: PHPDSC101T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: Logic

Department of Philosophy:: Haflong Government College
Plan for Curriculum Implementation:: ACADEMIC SESSION 2019-2020

Unit	Topic	Allotted to
I	Nature of Logic, Truth and Validity, Argument and Argument Form	Rajnandini Das
II	Kinds of Proposition::Traditional and Modern	Amitra Langthasa
II	Square of Opposition::Traditional, Aristotelian, Boolean	Punyamoni Baruah
III	Immediate Inference: Conversion, Obversion, Contraposition, Mediate Inference: Categorical syllogism, Copi's Six Rules	Paran Borthakur
III	Figure and Mood, Venn Diagram, Technique for Testing Syllogism	Punyamoni Baruah
IV	Symbolization, Testing Validity by Truth-table Method, Shorter Truth-table Method for Proving Invalidity.	Amitra Langthasa
V	Formal Proof of Validity (Nine Rules of Inference)	Paran Borthakur

Continuous and Comprehensive Assessment(CCE):As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be reflected in grade-sheet.

Plan for implementation of BA Honours Programme in other discipline offering Philosophy as GENERECIC ELECTIVE

First Semester: Course Code:PHPGEC101T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course::Logic

Unit	Topic	Allotted to
I	Nature of Logic, Truth and Validity, Argument and Argument Form	Rajnandini Das
II	Kinds of Proposition::Traditional and Modern	Amitra Langthasa
II	Square of Opposition::Traditional, Aristotelian, Boolean	Punyamoni Baruah
III	Immediate Inference: Conversion, Obversion, Contraposition, Mediate Inference: Categorical syllogism, Copi's Six Rules	Paran Borthakur
III	Figure and Mood, Venn Diagram, Technique for Testing Syllogism	Punyamoni Baruah
IV	Symbolization, Testing Validity by Truth-table Method, Shorter Truth-table Method for Proving Invalidity.	Amitra Langthasa
V	Formal Proof of Validity (Nine Rules of Inference)	Paran Borthakur

Continuous and Comprehensive Assessment(CCE):As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be reflected in grade-sheet.

Department of Philosophy:: Haflong Government College
Plan for Curriculum Implementation:: ACADEMIC SESSION 2019-2020

Plan for implementation of BA (General) Philosophy Programme

Third Semester: Course Code:PHPDSC301T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: Epistemology and Metaphysics(Indian)

Unit	Topics	Allotted to
I	General Ideas about the Schools of Indian Philosophy: Concept of Rta, Law of Karma, Upaniṣadic Concept of Ātman	Paran Borthakur
II	Cārvāka-Epistemology, Metaphysics Jainism-Syādvāda, Anekāntavāda	Amitra Langthasa
III	Buddhism: Pratityasamutpāda, Nairātmavāda, Kṣanikatvavāda, Four Noble Truths	Punyamoni Baruah
IV	Nyāya- Pramā & Pramāṇa, Pratyakṣa, Anumāna and its kinds Vaiśeṣika – Padārthas: Sāmānya, Viśeṣa, Samavāya and Abhāva	Rajnandini Das
V	Sāṅkhya: Prakṛti, Puruṣa, Evolution Advaita Vedānta: Brahman and Māyā Viśiṣṭādvaita: Rāmānuja's Criticism of Śankara's Māyā, Brahman	Rajnandini Das

BA Third Semester Skill Enhancement Course for BA General (Philosophy)

SEC-301 Logical Reasoning -I

Unit	Topics	Allotted to
I	Understanding The Structure of Arguments Deductive and Inductive Reasoning Exercise Based on Square of Opposition	Paran Borthakur
II	Analytical Reasoning Fallacies: Fallacies of Ambiguity, Avoiding fallacies	Paran Borthakur
III	Syllogism Rules of Syllogism Fallacies of Syllogism	Amitra Langthasa
IV	Logical Diagrams, Venn Diagram Technique for Argument Testing	Punyamoni Baruah
	Disjunctive and Hypothetical Syllogism Dilemma and their Testing	Punyamoni Baruah

Department of Philosophy:: Haflong Government College
Plan for Curriculum Implementation:: ACADEMIC SESSION 2019-2020

**Plan for implementation of BA (General) Programme in other Discipline offering
Philosophy as Discipline Specific Core (DSC-2)**

Third Semester: Course Code:PHPDSC301T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: Epistemology and Metaphysics(Indian)

Unit	Topics	Allotted to
I	General Ideas about the Schools of Indian Philosophy: Concept of Rta, Law of Karma, Upaniṣadic Concept of Ātman	Paran Borthakur
II	Cārvāka-Epistemology, Metaphysics Jainism-Syādvāda, Anekāntavāda	Amitra Langthasa
III	Buddhism: Pratityasamutpāda, Nairātmavāda, Kṣanikatvavāda, Four Noble Truths	Punyamoni Baruah
IV	Nyāya- Pramā & Pramāṇa, Pratyakṣa, Anumāna and its kinds Vaiśeṣika – Padārthas: Sāmānya, Viśeṣa, Samavāya and Abhāva	Rajnandini Das
V	Sāṅkhya: Prakṛti, Puruṣa, Evolution Advaita Vedānta: Brahman and Māyā Viśiṣṭādvaita: Rāmānuja's Criticism of Śāṅkara's Māyā, Brahman	Rajnandini Das

Continuous and Comprehensive Assessment(CCE):As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be reflected in grade-sheet.

**Plan for implementation of BA (Honours) Programme in other Discipline offering
Philosophy as Generic Elective**

Third Semester: Course Code:PHPGEC301T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: Epistemology and Metaphysics(Indian)

Unit	Topics	Allotted to
I	General Ideas about the Schools of Indian Philosophy: Concept of Rta, Law of Karma, Upaniṣadic Concept of Ātman	Paran Borthakur
II	Cārvāka-Epistemology, Metaphysics Jainism-Syādvāda, Anekāntavāda	Amitra Langthasa
III	Buddhism: Pratityasamutpāda, Nairātmavāda, Kṣanikatvavāda, Four Noble Truths	Punyamoni Baruah

Department of Philosophy:: Haflong Government College
Plan for Curriculum Implementation:: ACADEMIC SESSION 2019-2020

IV	Nyāya- Pramā & Pramāṇa, Pratyakṣa, Anumāna and its kinds Vaiśeṣika – Padārthas: Sāmānya, Viśeṣa, Samavāya and Abhāva	Rajnandini Das
V	Sāṅkhya: Prakṛti, Puruṣa, Evolution Advaita Vedānta: Brahman and Māyā Viśiṣṭādvaita: Rāmānuja's Criticism of Śankara's Māyā, Brahman	Rajnandini Das

Continuous and Comprehensive Assessment(CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be reflected in grade-sheet.

TDC NON-CBCS Honours Programme

Plan for TDC Honours Programme for 5th Semester from August 2019 to December 2019

The different units and topics thereof of the Courses of BA (Philosophy Honours) Programme have been allotted to individual teachers as mentioned in the following tables. Details of plan for each unit and topic will be designed by each of the teachers to whom the units of the course/ courses are allotted. As per the guidelines of the university, internal assessment will be done by taking two unit tests of 25 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations though the marks secured in Internal Assessment will not be reflected in the university conducted end semester examinations for each semester.

FIFTH SEMESTER:: COURSE PHIH 501::CONTEMPORARY INDIAN PHILOSOPHY

Unit No.	Unit & Topics	Teacher
I	Swami Vivekānanda: The Real Nature of Man, Universal Religion	Paran Borthakur
II	Sri Aurobindo: Evolution of Consciousness	Punyamoni Baruah
III	M K Gandhi: Concepts of Swarāj and Ahimsā	Amitra Langthasa
IV	Rabindranath Tagore: Surplus in Man, Problem of Evil	Amitra Langthasa
V	S Radhakrishnan: Intellect and Intuition	Punyamoni Baruah
	K C Bhattacharya: Concept of Philosophy	Paran Borthakur

Department of Philosophy:: Haflong Government College
Plan for Curriculum Implementation:: ACADEMIC SESSION 2019-2020

FIFTH SEMESTER:: COURSE PHIH 502:: PHILOSOPHY OF RELIGION

Unit No.	Unit & Topics	Teacher
I	Philosophy of Religion: Nature and Concerns	Rajnandini Das
II	Theories of Origin of Religion: Anthropological, Psychological	Rajnandini Das
III	Proof for the Existence of God: Ontological Argument, Cosmological Argument	Rajnandini Das
IV	Proof for the Existence of God: Teleological Argument, Moral Argument	Rajnandini Das
V	Problem of Evil, Faith, Reason and Revelation	Rajnandini Das

FIFTH SEMESTER:: COURSE PHIH 503:: GENERAL PSYCHOLOGY

Unit No.	Unit & Topics	Teacher
I	Definition, Scope and Methods of Psychology-Introspection, Extrospection, Experimental Methods	Punyamoni Baruah
II	Physiological Basis of Mental Life: Nervous System, Localisation of Brain Functions, Endocrine Glands	Punyamoni Baruah
III	Sensations-Weber Fechner Law, Structure and Functions of Eyes and Ears	Paran Borthakur
IV	Perceptions, Factors of Perceptions, Gestalt theory of Perception, Nature, Condition and Span of Attention	Paran Borthakur
V	Memory and Imagination, Marks of Good Memory, Laws of Association,	Paran Borthakur
	Levels of Consciousness-Unconscious, Freud's Theory of Dream, Emotion-various theories. Instinct-McDougall's Theory	Punyamoni Baruah

PLAN FOR IMPLEMENTATION OF PHILOSOPHY PASS COURSE OF BA (PASS) PROGRAMME FOR ODD SEMESTERS (August 2019 TO DECEMBER 2019)

The different units and topics thereof of the Philosophy Pass Course of BA (Pass) Programme have been allotted to individual teachers of the department as mentioned in the following tables for the odd semesters from August 2019 to December 2019. Details of plan for each unit and topics will be designed by each of the teachers to whom the units and topics are allotted. As per the guidelines of the university, internal assessment will be done by taking two unit tests of 25 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations though the marks secured in Internal Assessment will not be counted in the university conducted examinations for each semester.

FIFTH SEMESTER: PHIP 501:: LOGIC - I

Unit No.	Unit & Topics	Teacher
I	Sentence and Proposition – Argument, Truth and Validity	Rajnandini Das

Department of Philosophy:: Haflong Government College
Plan for Curriculum Implementation:: ACADEMIC SESSION 2019-2020

II	Four Basic Types of Propositions – AEIO, modern Classification of Propositions, and Existential Import	Amitra Langthasa
III	Immediate Inference: Conversion, Obversion, Contraposition	Paran Borthakur
IV	Categorical Syllogism: Figure, Mood, Rules of Validity, Fallacies	Paran Borthakur
V	Square of Opposition: Traditional, Aristotelian and Boolean Venn Diagram: Technique of Testing Syllogisms	Punyamoni Baruah

EVEN SEMESTERS JANUARY 2020 TO JUNE 2020

EVEN SEMESTERS from January 20 to June 2020

**Plan for Implementation of B A (Philosophy) Honours and B A (Philosophy) General
CBCS Programme**

BA Second SEMESTER Honours Programme

Course Code:PHPHCC201T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: Epistemology and Metaphysics (Western)

Unit	Topic	Teachers to whom allotted
I	Meaning and Scope of Philosophy, Metaphysics, Epistemology, Axiology, Concept of Applied Philosophy	Rajnandini Das
II	Plato: Theory of knowledge and Ideas. Aristotle: Form and Matter, Causation.	Amitra Langthasa
III	Theories of Knowledge: Empiricism, Rationalism, Kant's Critical Theory, Intuitionism.	Rajnandini Das
IV	Realism: Naive Realism, Representationalism, Neo-Critical Realism. Idealism: Subjective Idealism of Berkeley, Objective Idealism of Hegel	Punyamoni Baruah
V	Substance, Space, Time, Causality (Hume)	Paran Borthakur

Continuous and Comprehensive Assessment(CCE):As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be reflected in grade sheets.

Course Code:PHPHCC202T, Credits-06, Full Marks-100, Pass Marks-40

Department of Philosophy:: Haflong Government College
Plan for Curriculum Implementation:: ACADEMIC SESSION 2019-2020

Name of Course:: ETHICS- I

Unit	Topic	Teachers to whom allotted
I	Nature of Ethics: Its concerns, Normative Ethics and Meta-ethics.	Punyamoni Baruah
	Fundamental Concepts: Concepts of Rights and Duties, Good and Virtue, Object of Moral Judgment.	Amitra Langthasa
II	Teleological Ethics: Hedonism, Utilitarianism, (Bentham and Mill), Sarvodaya. (Gandhi)	Rajnandini Das
	Virtue Ethics: Aristotle – Nature and Kinds of Virtues.	Paran Borthakur
III	Deontological Ethics: Kant – Good Will, Categorical Imperative.	Paran Borthakur
	Ethics of Gīta: Swadharma, Niskāma Karma.	Punyamoni Baruah
IV	Hindu Ethics: Puruṣārtha: The notion of Dharma.	Punyamoni Baruah
	Jaina Ethics: Ahimsā Buddhist Ethics: Theory of Action	Rajnandini Das
V	Definition and Scope of Applied Ethics. Environmental Ethics: Anthropocentrism and Eco-centrism.	Paran Borthakur
	Theories of Punishment: Retributive, Deterrent and Reformative.	Amitra Langthasa

Continuous and Comprehensive Assessment(CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be reflected in grade-sheet.

BA 4th SEMESTER Honours Programme

Course Code: PHPHCC401T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: Classical Test (Indian)

Tarka-samgraha-Dipika

Unit	Topic	Teachers to whom allotted
I	Pramā and apramā- Definition Samśaya, Viparyaya and Tarka Pramāṇa- Definition	Paran Borthakur
II	a) Pratyakṣa- Definition b) Savikalpaka and Nirvikalpaka Stages of Perception c) Classification of Perception	Paran Borthakur
III	a) Inference and Concomitance (Vyāpti) b) Classification of Inference: Causal, Logical and Psychological	Paran Borthakur
IV	Pramāṇās- Śabda and Upamāna	Paran Borthakur
V	a) Paratah Prāmāṇyavāda b) Theory of Error c) Fallacies (Hetvābhāsa)	Paran Borthakur

Continuous and Comprehensive Assessment(CCE):As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be reflected in grade-sheet.

Course Code:PHPHCC402T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: Classical Test (Western)

David Hume: An Enquiry Concerning Human Understanding

Unit	Topic	Teachers to whom allotted
I	Nature of Hume's Philosophical Enquiry, Historical Background, Distinction between Easy and Obvious Philosophy and Accurate and Abstract Philosophy (Section I)	Amitra Langthasa
II	Impressions and Ideas, Association of Ideas, Relations of Ideas and Matters of Fact (Sections – II, III, IV, V)	Amitra Langthasa
III	Probability, Necessary Connection, Causation (Sections- VI and VII)	Amitra Langthasa
IV	Liberty and Necessity, Reasons of Animals (Sections- VIII and IX)	Amitra Langthasa
V	Religion and Skepticism (Sections X, XI and XII)	Amitra Langthasa

Continuous and Comprehensive Assessment(CCE):As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be reflected in grade-sheet.

Course Code:PHPHCC403T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: Logic-II

Unit	Topic	Teachers to whom allotted
I	Laws of Thought, Existential Import. Indian Logic: Hetvabhāsas (Fallacies)	Punyamoni Baruah
II	Formal Proof of Validity (Nineteen Rules) Indirect Method of Proving Validity (Reductio-ad- Absurdum Method)	Punyamoni Baruah
III	Quantification, Symbolization, rules and formal proof of validity, Conditional Proof	Punyamoni Baruah
IV	Mill's Method of Experimental Enquiries and Inductive Fallacies.	Punyamoni Baruah
V	Science and Hypothesis, Probability	Punyamoni Baruah

Continuous and Comprehensive Assessment(CCE):As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each

Department of Philosophy:: Haflong Government College
Plan for Curriculum Implementation:: ACADEMIC SESSION 2019-2020

semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be reflected in grade-sheet.

Course Code:PHPSEC401T, Credits-04, Full Marks-50, Pass Marks-20

Name of Course:: Applied Ethics

Unit	Topic	Teachers to whom allotted
I	Meaning and Nature of Bio-ethics, Importance of Bio-ethics in Contemporary Society.	Rajnandini Das
II	Principles of Medical Ethics, Patient Confidentiality, Health Care Allocation	Rajnandini Das
III	Abortion, Moral and Religious Aspects of Abortion, Surrogacy	Rajnandini Das
IV	The Value of Life, Euthanasia and Suicide	Rajnandini Das
V	Environmental Ethics: Anthropocentrism, Eco-centrism, Eco-feminism, The Need for Environmental Ethics, Animal Ethics: Animal Rights.	Rajnandini Das

Plan for implementation of BA (General) Philosophy Programme

Second Semester: Course Code:PHPDSC201T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: ETHICS-I

Unit	Topic	Teachers to whom allotted
I	Nature of Ethics: Its concerns, Normative Ethics and Meta-ethics.	Punyamoni Baruah
	Fundamental Concepts: Concepts of Rights and Duties, Good and Virtue, Object of Moral Judgment.	Amitra Langthasa
II	Teleological Ethics: Hedonism, Utilitarianism, (Bentham and Mill), Sarvodaya. (Gandhi)	Rajnandini Das
	Virtue Ethics: Aristotle – Nature and Kinds of Virtues.	Paran Borthakur
III	Deontological Ethics: Kant – Good Will, Categorical Imperative.	Paran Borthakur
	Ethics of Gīta: Swadharma, Niskāma Karma.	Punyamoni Baruah
IV	Hindu Ethics: Puruṣārtha: The notion of Dharma.	Punyamoni Baruah
	Jaina Ethics: Ahimsā Buddhist Ethics: Theory of Action	Rajnandini Das
V	Definition and Scope of Applied Ethics. Environmental Ethics: Anthropocentrism and Eco-centrism.	Paran Borthakur
	Theories of Punishment: Retributive, Deterrent and Reformative.	Amitra Langthasa

Department of Philosophy:: Haflong Government College
Plan for Curriculum Implementation:: ACADEMIC SESSION 2019-2020

Continuous and Comprehensive Assessment(CCE):As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be reflected in grade-sheet.

Plan for implementation of BA First Semester Generic Elective Course for learners of honours programmes of other departments:

First Semester:Course Code:PHPGEC201T, Credits-06, Full Marks-100(Internal assessment 30 and End Semester External Evaluation 70), Pass Marks-40

Name of Course:: ETHICS

Unit	Topic	Teachers to whom allotted
I	Nature of Ethics: Its concerns, Normative Ethics and Meta-ethics.	Punyamoni Baruah
	Fundamental Concepts: Concepts of Rights and Duties, Good and Virtue, Object of Moral Judgment.	Amitra Langthasa
II	Teleological Ethics: Hedonism, Utilitarianism, (Bentham and Mill), Sarvodaya. (Gandhi)	Rajnandini Das
	Virtue Ethics: Aristotle – Nature and Kinds of Virtues.	Paran Borthakur
III	Deontological Ethics: Kant – Good Will, Categorical Imperative.	Paran Borthakur
	Ethics of Gīta: Swadharma, Niskāma Karma.	Punyamoni Baruah
IV	Hindu Ethics: Puruṣārtha: The notion of Dharma.	Punyamoni Baruah
	Jaina Ethics: Ahimsā Buddhist Ethics: Theory of Action	Rajnandini Das
V	Definition and Scope of Applied Ethics. Environmental Ethics: Anthropocentrism and Eco-centrism.	Paran Borthakur
	Theories of Punishment: Retributive, Deterrent and Reformative	Amitra Langthasa

Continuous and Comprehensive Assessment(CCE):As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each

Department of Philosophy:: Haflong Government College
Plan for Curriculum Implementation:: ACADEMIC SESSION 2019-2020

semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be reflected in grade-sheet..

Plan for implementation of BA (General) Philosophy Programme

Second Semester: Course Code:PHPDSC401T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: Epistemology and Metaphysics (Western)

Unit	Topic	Teachers to whom allotted
I	Meaning and Scope of Philosophy, Metaphysics, Epistemology, Axiology, Concept of Applied Philosophy.	Amitra Langthasa
II	Plato: Theory of knowledge and Ideas. Aristotle: Form and Matter, Causation.	Amitra Langthasa
III	Theories of Knowledge: Empiricism, Rationalism, Kant's Critical Theory, Intuitionism.	Amitra Langthasa
IV	Realism: Naive Realism, Representationalism, Neo- Critical Realism. Idealism: Subjective Idealism of Berkeley, Objective Idealism of Hegel.	Amitra Langthasa
V	Substance, Space, Time, Causality (Hume)	Amitra Langthasa

Continuous and Comprehensive Assessment(CCE):As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be reflected in grade-sheet.

Course Code:PHPSEC401T, Credits-04, Full Marks-50, Pass Marks-20

Name of Course:: Applied Ethics I

Unit	Topic	Teachers to whom allotted
I	Introduction to Applied Ethics Applied Ethics and its Branches: Animal Ethics, Environmental Ethics, Bio-Ethics, Feminist Ethics	Rajnandini Das
II	Value of Human Life Human Rights, Punishment- Its theories	Rajnandini Das
III	Animal Ethics Respect for Animals and Ecology, Animal Rights	Rajnandini Das
IV	Professional Ethics Medical Ethics, Media Ethics	Rajnandini Das
V	Corporate Ethics Ethics of Business, Corporate Social Responsibility	Rajnandini Das

Plan for implementation of BA (General) Programme in other discipline offering philosophy as Discipline Specific Core 2

Second Semester: Course Code:PHPDSC401T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: Epistemology and Metaphysics (Western)

Unit	Topic	Teachers to whom allotted
I	Meaning and Scope of Philosophy, Metaphysics, Epistemology,	Amitra Langthasa

Department of Philosophy:: Haflong Government College
Plan for Curriculum Implementation:: ACADEMIC SESSION 2019-2020

	Axiology, Concept of Applied Philosophy.	
II	Plato: Theory of knowledge and Ideas. Aristotle: Form and Matter, Causation.	Amitra Langthasa
III	Theories of Knowledge: Empiricism, Rationalism, Kant's Critical Theory, Intuitionism.	Amitra Langthasa
IV	Realism: Naive Realism, Representationalism, Neo- Critical Realism. Idealism: Subjective Idealism of Berkeley, Objective Idealism of Hegel.	Amitra Langthasa
V	Substance, Space, Time, Causality (Hume)	Amitra Langthasa

Continuous and Comprehensive Assessment(CCE):As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be reflected in grade-sheet.

Plan for implementation of BA Honours Programme in other discipline offering philosophy as Generic Elective

Second Semester: Course Code:PHPGEC401T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: Epistemology and Metaphysics (Western)

Unit	Topic	Teachers to whom allotted
I	Meaning and Scope of Philosophy, Metaphysics, Epistemology, Axiology, Concept of Applied Philosophy.	Amitra Langthasa
II	Plato: Theory of knowledge and Ideas. Aristotle: Form and Matter, Causation.	Amitra Langthasa
III	Theories of Knowledge: Empiricism, Rationalism, Kant's Critical Theory, Intuitionism.	Amitra Langthasa
IV	Realism: Naive Realism, Representationalism, Neo- Critical Realism. Idealism: Subjective Idealism of Berkeley, Objective Idealism of Hegel.	Amitra Langthasa
V	Substance, Space, Time, Causality (Hume)	Amitra Langthasa

Continuous and Comprehensive Assessment(CCE):As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be reflected in grade-sheet.

PLAN FOR IMPLEMENTATION OF BA HONOURS PROGRAMME 6th
SEMESTER (NON CBCS)

From January 2020 to June 2020

The different units and topics thereof of the Courses of BA (Philosophy Honours) Programme have been allotted to individual teachers to be implemented in the even semesters

Department of Philosophy:: Haflong Government College
Plan for Curriculum Implementation:: ACADEMIC SESSION 2019-2020

from January 2020 to June 2020 as mentioned in the following table. Details of plan for each unit and topic will be designed by each of the teachers to whom the units of the course/ courses are allotted. As per the guidelines of the university, internal assessment will be done by taking two unit tests of 25 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations though the marks secured in Internal Assessment will not be counted in the university conducted examinations for each semester.

SIXTH SEMESTER ::PHIH 601 :: CONTEMPORARY PHILOSOPHY:WESTERN - II

Unit No.	Unit & Topics	Teacher
I	Bertrand Russell: Logic as the Essence of Philosophy	Paran Borthakur
II	Logical Positivism: Elimination of Metaphysics, Principle of Verification	Amitra Langthasa
III	Ludwig Wittgenstein: Picture Theory of Meaning, Language Game	Amitra Langthasa
IV	Husserl: Phenomenological Standpoint, Intentionality of Consciousness	Punyamoni Baruah
V	Salient Features of Existentialism: Theistic, Atheistic; Jean Paul Sartre: Existentialism and Humanism	Punyamoni Baruah

SIXTH SEMESTER ::PHIH 602 :: PHILOSOPHY OF RELIGION - II

Unit No.	Unit & Topics	Teacher
I	Religious Language: Cognitivist and Non-cognitivist Debate	Rajnandini Das
II	Fundamental Tenets of Living Religions, Religious Tolerance	Rajnandini Das
III	Conflicts of Religions and the possibility of Comparative Religions	Rajnandini Das
IV	Possibility of Interreligious Understanding, Religious Understanding, religious Pluralism	Rajnandini Das
V	Religion and Morality, Science and Religion	Rajnandini Das

SIXTH SEMESTER ::PHIH 603 :: GENERAL PSYCHOLOGY - II

Unit No.	Unit & Topics	Teacher
I	Theories of Learning: Trial and Error, Insight Theory	Punyamoni Baruah
II	Personality – factors of personality – Heredity and Environment; Intelligence – Measurement of Intelligence	Punyamoni Baruah
III	Contemporary Schools of Psychology; Branches of Psychology, Child Psychology, Experimental Psychology, Physiological Psychology, Abnormal Psychology, Industrial Psychology and Social Psychology	Punyamoni Baruah
IV	Psychological Concepts: Motivation, Stress, Conflict, Anxiety, Attitude, Aggression, Prejudice, Depression	Paran Borthakur
V	Aspects of Developmental Psychology: Sensory, Emotional, cognitive, Social and Cognitive.	Paran Borthakur

Department of Philosophy:: Haflong Government College
Plan for Curriculum Implementation:: ACADEMIC SESSION 2019-2020

PLAN FOR IMPLEMENTATION OF PASS COURSE FOR EVEN SEMESTERS
(January 2020 to June 2020)

The different units and topics thereof of the Philosophy Pass course of BA programme have been allotted to individual teachers as mentioned in the tables below for the even semesters from January 2020 to June 2020. Details of implementation plan for each unit and topics will be designed by each of the teachers to whom units or topics are allotted. As per the guidelines of the university, internal assessment will be done by taking two unit tests of 25 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations though the marks secured in Internal Assessment will not be counted in the university conducted examinations for each semester.

SIXTH SEMESTER ::PHIP 601 - LOGIC - II

Unit No.	Unit & Topics	Teacher
I	Use of Symbols, Truth Functions, Negation, Conjunction, Disjunction, Implication, Equivalence	Rajnandini Das
II	Decision Procedure and Testing Validity of Arguments by Truth Table Method	Punyamoni Baruah
III	Formal Proof of Validity	Paran Borthakur
IV	Mill's Method of Experimental Inquiry	Amitra Langthasa
V	Hypothesis and Scientific Inquiry	Amitra Langthasa

Paran Borthakur
01/03/2019
(Dr Paran Borthakur)

Head i/c

Department of Philosophy, Haflong Government College

Associate Professor & Head
Department of Philosophy
Haflong Government College

ATTESTED

[Signature]
Principal
Haflong, Govt. College
Haflong

Haflong Government College

Department of Political Science

Plan for Curriculum Implementation (CBCS)

Academic Session 2019-20

The Department of Political science of Haflong Government College has made the following plan for implementation of the Curriculum of TDC Honors and Pass Course (CBCS) for the year 2019-20 and Non CBCS.
The Curriculum is design by Assam University.

Haflong Government College (Plan for Curriculum Implementation Department of Political Science,CBCS, Academic session 2019-20)
Syllabus distribution for the odd semester 2019-20 CBCS Political Science

Syllabus distribution for CBCS course first semester (Honours Programme) PLSHCCC101T Understanding Political Theory(CBCS)

Unit No.	Unit & topics	Text	Suggested reading	Mode of teaching	Teacher
1	<ul style="list-style-type: none"> ➤ Political Theory: Meaning and Functions ➤ Traditions of political theory: Liberal, Marxist, Anarosllyn Changsanhist and Conservative 	Acharya& Bharakhi m. gogoiava(Political theory: an introduction),	K.K. ghai(Understanding Political Theory),Marsh & Stokers(theory and methods in political science),	Lecture Tutorial Assignments	Bhaswati Khersa
2	<ul style="list-style-type: none"> ➤ Approaches to political theory: normative , historical and empirical 	Acharya& Bharakhi m. gogoiava(Political theory: an introduction),	K.K. ghai(Understanding Political Theory),Marsh & Stokers(theory and methods in political science)	Lecture Tutorial Assignments	Limi Nampui
3	<ul style="list-style-type: none"> ➤ Contemporary Perspectives in Political Theory: Feminist and Postmodern 	Acharya & Bharakhi m. gogoiava(Political theory: an introduction),	K.K. ghai(Understanding Political Theory),Marsh & Stokers(theory and methods in political science)	Lecture Tutorial Assignments	Limi Nampui
4	Political theory and practice I <ul style="list-style-type: none"> ➤ Democracy: the history of the idea ➤ Procedural Democracy and its Critique 	Acharya & Bharakhi m. gogoiava(Political theory: an introduction),	K.K. ghai(Understanding Political Theory),Marsh & Stokers(theory and methods in political science)	Lecture Tutorial Assignments	Rakhi M. Gogoi
5	Political theory and practice II <ul style="list-style-type: none"> ➤ Deliberative Democracy ➤ Participation & representation 	Acharya & Bharakhi m. gogoiava(Political theory: an introduction),	K.K. ghai(Understanding Political Theory),Marsh & Stokers(theory and methods in political science)	Lecture Tutorial Assignments	Roslyn Changsan

PLSHCC102T Constitutional Government and Democracy in India(CBCS)

Unit No.	Unit & topics	Text	Suggested reading	Mode of teaching	Teacher
1	a. Philosophy of the constitution , the Preamble and Features of the Constitution b. Fundamental Rights and Directive Principles (ROSLYN CHANGSAN)	G. Austin(The Indian Constitution: Cornerstone of a Nation), S.L. Sikri(Indian Government and Politics),	D. Basu (Introduction to the Constitution of India), Constitution of India : Bare acts with short notes),the oxford companion to politics in India, B.L. Fadia(Indian Government and Politics)	Lecture Tutorial Assignments	A. Bhaswati Khersa B. Roslyn Changsan
2	a. The Executive : President, Prime Minister and union Council of Ministers	G.Austin(The Indian Constitution: Cornerstone of a Nation), S.L. Sikri(Indian Government and Politics),	D. Basu (Introduction to the Constitution of India),Constitution of India : Bare acts with short notes),the oxford companion to politics in India, B.L. Fadia(Indian Government and Politics)	Lecture Tutorial Assignments	Roslyn Changsan
3	a. The Legislature: Parliament b. The Judiciary : Supreme	G.Austin(The Indian Constitution: Cornerstone of a Nation), S.L. Sikri(Indian Government and	D. Basu (Introduction to the Constitution of India),	Lecture Tutorial	Bhaswati Khersa

	Court	Politics),	Constitution of India : Bare acts with short notes),the oxford companion to politics in India, B.L. Fadia(Indian Government and Politics)	Assignments	
4	Federalism: Centre-state Relations, division of Powers, emerakhi m. gogoiency Provisions	G.Austin(The Indian Constitution: Cornerstone of a Nation), S.L. Sikri(Indian Government and Politics),	D. Basu (Introduction to the Constitution of India), Constitution of India : Bare acts with short notes),the oxford companion to politics in India, B.L. Fadia(Indian Government and Politics)	Lecture Tutorial Assignments	Rakhi M. Gogoi
5	Panchayati raj, Municipalities and Fifth and Sixth Schedules	G.Austin(The Indian Constitution: Cornerstone of a Nation), S.L. Sikri(Indian Government and Politics),	D. Basu (Introduction to the Constitution of India), Constitution of India : Bare acts with short notes),the oxford companion to politics in India, B.L. Fadia(Indian Government and Politics)	Lecture Tutorial Assignments	Limi Nampui

First Semester CBCS course (General Programme) PLSPDSC101T Understanding Political Theory/PLSPGEC101T Introduction To Political Theory (CBCS)

Unit No.	Unit & topics	Text	Suggested reading	Mode of teaching	Teacher
1	Politics , political theory : meaning and relevance	Acharya & Bharakhi m. gogoiava(Political theory: an introduction),	K.K. ghai(Understanding Political Theory),Marsh & Stokers(theory and methods in political science)	Lecture Tutorial Assignments	Bhaswati Khersa
2	Concepts I : Democracy, liberty , equality , justice	Acharya & Bharakhi m. gogoiava(Political theory: an introduction),	K.K. ghai(Understanding Political Theory),Marsh & Stokers(theory and methods in political science)	Lecture Tutorial Assignments	Limi Nampui
3	Concepts II: Citizenship, Rights, Civil Society and State	Acharya & Bharakhi m. gogoiava(Political theory: an introduction),	K.K. ghai(Understanding Political Theory),Marsh & Stokers(theory and methods in political science)	Lecture Tutorial Assignments	Roslyn Changsan
4	Debates in political theory I : a. Democracy and economic growth? b. Censorship : Justification and limits	Acharya & Bharakhi m. gogoiava(Political theory: an introduction),	K.K. ghai(Understanding Political Theory),Marsh & Stokers(theory and methods in political science)	Lecture Tutorial Assignments	Rakhi M. Gogoi
5	Debates in Political Theory I: a. Protective Discrimination: Meaning, Principles of fairness? b. State intervention in the institution of the family	Acharya & Bharakhi m. gogoiava(Political theory: an introduction),	K.K. ghai(Understanding Political Theory),Marsh & Stokers(theory and methods in political science)	Lecture Tutorial Assignments	Rakhi M. Gogoi

301 PSCHCC INTRODUCTION TO COMPARATIVE GOVERNMENT AND POLITICS(CBCS)

Unit No.	Unit & topics	Text	Suggested reading	Mode of teaching	Teacher
1	a. Comparative Politics: Nature and Scope	Kesselman. Krieger and William (Introduction to Comparative Politics :	Hague and Horrop (comparative government and politics : an	Lecture Tutorial	Rakhi M. Gogoi

	b. Going Beyond Eurocentricism	Political Challenges and Changing agendas)	introduction)	Assignments	
2	Capitalism : Meaning and Development: Globalization	A.Hoogvelt (history of capitalism Expansion), R. Suresh (Economy & Society – Evolution of capitalism)	E. Wood (the agrarian origin of Capitalism), S. Palekar (Comparative Government)	Lecture Tutorial Assignments	Limi Nampui
3	Socialism: Meaning, Growth and Development	Harperoslyn Changsanollins E-book (Rise and Fall of Communism)	J. McCormick (Communist and Post Communist States), S. Palekar (Comparative Government)	Lecture Tutorial Assignments	Bhaswati Khersa
4	Colonialism and Decolonization: meaning, context, forms of Colonialism; anti – colonialism, struggles and process of decolonization	P. Duara(Decolonization: Perspective From Now and Then), Kesselman. Krieger and William (Introduction to Comparative Politics : Political Challenges and Changing agendas	M. Mohanty (Colonialism and discourse in India and China), anti colonialism (http://globalsouthstudies.as.virakhi_m.gogoiinia.edu/key-concepts/anticolonialism), anticolonialism Encyclopedia.com	Lecture Tutorial Assignments	Rakhi M. Gogoi
5	A comparative study of constitutional developments: Britain , Nigeria, Bangladesh and China	Kesselman. Krieger and William (Introduction to Comparative Politics : Political Challenges and Changing agendas	J. McCormick (Comparative Politics in Transition),	Lecture Tutorial Assignments	Roslyn Changsan

302 PSCHCC PERSPECTIVE ON PUBLIC ADMINISTRATION(CBCS)

Unit No.	Unit & topics	Text	Suggested reading	Mode of teaching	Teacher
1	Public Administration as a Discipline <ul style="list-style-type: none"> ➤ Meaning, Dimensions and Significance of the ➤ Public and Private Administration ➤ Evolution of Public Administration 	Avasthi & Maheshwari (Public Administration), B. Chakrabarty and Chand (Public administration in a globalizing world: theories and practices)	M.P. Sharma & B.L. Sadana (Public administration)	Lecture Tutorial Assignments	Limi Nampui
2	Theoretical perspectives : Classical Theories <ul style="list-style-type: none"> ➤ Scientific Management (F.W. Taylor) ➤ Administrative Management (Gullick, Urwick and Fayol) ➤ Ideal type Bureaucracy (Max Weber) 	M.P. Sharma & B.L. Sadana (Public administration) Avasthi & Maheshwari (Public Administration)	S. Maheshwari(Administrative thinker)	Lecture Tutorial Assignments	Bhaswati Khersa
3	Neo Classical Theories <ul style="list-style-type: none"> ➤ Human Relations Theory (Elton Mayo) ➤ Rational Decision – Making (Herbert Simon) Contemporary Theories <ul style="list-style-type: none"> ➤ Ecological Approach (Fred Riggs) ➤ Innovation and Entrepreneurship (Peter Drucker) 	M.P. Sharma & B.L. Sadana (Public administration) Avasthi & Maheshwari (Public Administration), B. Chakravarty & M. Bhattacharya (Public Administration : A Reader), Peter Drucker(Innovation and Entrepreneurship(check website of the same name))	S. Maheshwari(Administrative thinker),A. Singh (Public Administration: Roots & wings)	Lecture Tutorial Assignments	Rakhi M. Gogoi
4	Public Policy <ul style="list-style-type: none"> ➤ Concept , Relevance and Approaches 	The Oxford Handbook Of Public Policy, understanding Public Policy	Prabir Kr. De (Public Policy and Systems), R. V.	Lecture Tutorial	Limi Nampui

	➤ Formulation, Implementation and Evaluation		VaidyanathAyyar (Public Policy Making in India)	Assignments	
5	Major approaches in Public Administration ➤ New Public Administration ➤ New Public Management ➤ New Public Service Approach ➤ Good Governance ➤ Feminist Perspective	M. Bhattacharya(Public Administration :Issues and Perspective),	B.Chakrabarty (Reinventing Public administration)	Lecture Tutorial Assignments	Roslyn Changsan

PSCHC 303 PERSPECTIVES ON INTERNATIONAL RELATIONS AND WORLD HISTORY(CBCS)

Unit No.	Unit & topics	Text	Suggested reading	Mode of teaching	Teacher
1	Understanding International relations : Levels of Analysis ii. History and IR : Emerakhi m. gogoience of the International State System iii. post- Westphalia	Jackson & Sorensen (Introduction to International Relations), Palmer & Parkinson (International Relations), J.C. Johori(International relations),	Goldstein & Pevehouse (International relations), Rumki Basu (International relations)	Lecture Tutorial Assignments	Rakhi M. Gogoi
2.	i. Classical Realism & Neo realism ii. Liberalism & Neo Liberalism iii. Marxist Approaches iv. Feminist Perspectives	Jackson & Sorensen (Introduction to International Relations), Palmer & Parkinson (International Relations), Parkash Chander (theories of international relations and politics), J.C. Johori(International relations)	Goldstein & Pevehouse (International relations), V.K. Malhotra (international Relations),	Lecture Tutorial Assignments	Roslyn Changsan
3.	i. World War I : Causes & Consequences ii. Significance of the Bolshevik Revolution iii. Rise of Fascism/Nazism iv. World War II : Causes & Consequences	Jackson & Sorensen (Introduction to International Relations), Palmer & Parkinson (International Relations), V.K. Malhotra (international Relations), Parkash Chander (theories of international relations and politics),	Goldstein & Pevehouse (International relations), J.C. Johori(International relations), P. Gogoi (international relations), Rumki Basu (International relations)	Lecture Tutorial Assignments	Limi Nampui
4.	i. Cold War : Different Phases ii. Emerakhi m. gogoience of the Third World iii. Collapse of the USSR and the End of the Cold War	V.K. Malhotra (international Relations), Parkash Chander (theories of international relations and politics), J.C. Johori(International relations), P. Gogoi (international relations), Jackson & Sorensen (Introduction to International Relations), Palmer & Parkinson (International Relations),	Goldstein & Pevehouse (International relations), Rumki Basu (International relations)	Lecture Tutorial Assignments	Bhaswati Khersa
5.	Post Cold War Developments and Emerakhi m. gogoience of Other Power Centers (Japan, European Union(EU), Brazil, Russia, India, China (BRIC)	Jackson & Sorensen (Introduction to International Relations), Palmer & Parkinson (International Relations), Baylis & Smith (the Globalization of World Politics : An Introduction to international relations)	Goldstein & Pevehouse (International relations), Rumki Basu (International relations)	Lecture Tutorial Assignments	Roslyn Changsan

PSC SEC 301 LEGISLATIVE SUPPORTS(CBCS)

Unit No.	Unit & topics	Text	Suggested reading	Mode of teaching	Teacher
1.	Powers and functions of people's representatives at different tiers of governance: Members of Parliament, State Legislative Assemblies.	B. L. Fadia (Indian Government and Politics), NC Mazumdar (Legislative Support)	S.L. Sikri(Indian Government and Politics), KK Ghai (Indian Government and Politics)	Online Offline	Bhaswati Khersa/Limi Nampui
2.	Powers and functions of people's representatives at different tiers of governance: Functions of rural and urban self -government	B. L. Fadia (Indian Government and Politics), NC Mazumdar (Legislative Support)	S.L. Sikri(Indian Government and Politics), KK Ghai (Indian Government and Politics)	Online Offline	Bhaswati Khersa
3.	Supporting of legislative process: Law making process, Role of the standing Committee in reviewing a Bill, amendments to a Bill.	Johori & Gupta (Public Policy), Rumki Basu (Public Administration)	B.L.Fadia (Public Administration)	Online Offline	Roslyn Changsan
4.	Supporting the legislative committees: Types of committee and Role of committees in reviewing government finances.	Johori & Gupta (Public Policy), Rumki Basu (Public Administration)	B.L.Fadia (Public Administration)	Online Offline	Rakhi M. Gogoi
5.	Reading the budget document: Overview of Budgetary Process, Role of Parliament in reviewing the Union Budget.	Johori & Gupta (Public Policy), Rumki Basu (Public Administration)	B.L.Fadia (Public Administration)	Online Offline	Rakhi M. Gogoi

THIRD SEMESTER: DSC PSC 301 Comparative Government and Politics (CBCS)

Unit No.	Unit & Topics	Texts	Further Readings	Mode of Teachings	Teacher
I	The nature, scope and methods of comparative political analysis	N.C.Mazumdar(Comparative Government and Politics), J.C. Johari (Comparative Politics), S.C.Singhal(Comparative Government and Politics),	Hans Raj (Comparative Politics), Kesselman, Krieger and Joseph(Introduction to Comparative Politics)Bhoosan & Bhagwan (Comparative politics)	Online Offline	Rakhi M. Gogoi
II	Comparing Regimes: Authoritarian and Democratic	N.C.Mazumdar(Comparative Government and Politics), S.C.Singhal(Comparative Government and Politics),	Palekar, S.A. (Comparative Government and Politics)	Online Offline	Bhaswati Khersa
III	Classifications of political systems: a) Parliamentary and	N.C.Mazumdar(Comparative Government and Politics), S.C.Singhal(Comparative Government and Politics),	Palekar, S.A. (Comparative Government and Politics)	Online Offline	Limi Nampui

	Presidential: UK and USA b) Federal and Unitary: Switzerland and China				
IV	a) Electoral Systems: First past the post, proportional representation, mixed systems. b) Party Systems: one-party, two-party and multi-party systems	N.C. Mazumdar (Comparative Government and Politics), S.C. Singhal (Comparative Government and Politics),	Palekar, S.A. (Comparative Government and Politics)	Online Offline	Binuri Bodo
V	Contemporary debates on the nature of state: From state centric security to human centric security and the changing nature of nation-state in the context of globalization.	N.C. Mazumdar (Comparative Government and Politics), S.C. Singhal (Comparative Government and Politics),	Palekar, S.A. (Comparative Government and Politics)	Online Offline	Roslyn Changsan

Fifth Semester:: Course 501 Government and Politics in India-1 (Non CBCS)

Unit No.	Unit & Topics	Texts	Further Readings	Mode of Teachings	Teacher
I	Historical development of Indian Constitution- Features and Philosophy	B.L. Fadia (Government and Politics in India), S.L. Sikri (Indian Government and Politics)	D.D. Basu (Indian Constitution), Rajni Kothari (Politics In India)	Lectures Tutorial Assignment	Mrs. Bhsawati Khersa
II	Fundamental rights, fundamental duties, directive principles of state policy	B.L. Fadia (Government and Politics in India), S.L. Sikri (Indian Government and Politics)	Zoya Hasan (Politics and State in India), D.D. Basu (Indian Constitution)	Lectures Tutorial Assignment	Mrs. Roslyn Changsan
III	Structure of Government- President, Prime minister council of ministers (SH), Parliament: structure, functions and role	B.L. Fadia (Government and Politics in India), S.L. Sikri (Indian Government and Politics)	Atul Kohli (Success of Indian Democracy), Prakash Chandra (Government and Politics in India), Rajni Kothari (Politics in India)	Lectures Tutorials Assignments	Dr. Limi Nampui
IV	Structure of Government: Governor, Chief Minister, Council of Ministers, State Legislature	B.L. Fadia (Government and Politics in India), S.L. Sikri (Indian Government and Politics)	Prakash Chandra (Government and Politics in India), Rajni Kothari (Politics in India)	Lectures Tutorials Assignments	Mrs. Roslyn Changsan

V	Judicial System- Supreme Court- High Court- Judicial Review, Judicial Activism	B.L. Fadia (Government and Politics in India), S.L. Sikri (Indian Government and Politics)	Bipan Chandra and M. Mukherjee (India Since Independence), Rajni Kothari (Politics in India)	Lectures Tutorials Assignments Seminar	Dr. Rakhi Moni Gogoi
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Fifth Semester:: Course PLSH 502 Socialist thinkers1 (Non CBCS)

Unit No.	Unit & Topics	Texts	Further Readings	Mode of Teachings	Teacher
I	Early socialists- St. Simon, Charles Fourier, Robert Owen	P.G. Das (History of Political Thought), S. Mukherjee(A History of Political Thought : From Plato to Marx)	Gupta, R.C (Great Political Thinkers (East and West), P.G. Das (History of Political Thought),	Lectures, Tutorial Assignment, Seminar	Mrs. Bhaswati Khersa
II	Precursors of Marx- Hegel and Feuerbach	J.C. Johari (socialist Thinkers), Mukherjee and Ramaswamy (World's Greatest Socialist Thinkers)	Nelson (Western Political thought: from Socrates to the age of ideology)	Lectures, Tutorial Assignment, Seminar	Dr. Rakhi Moni Gogoi
III	Marx- Dialectical Materialism, Historical Materialism, Theory of Surplus Value, Class Struggle	P.G. Das (History of Political Thought), S. Mukherjee(A History of Political Thought : From Plato to Marx) ,	Mukherjee and Ramaswamy (World's Greatest thinkers) , J.C. Johari (Socialist Thinkers),	Lectures, Tutorial Assignment, Seminar	Dr. Roslyn Changsan
IV	Marx- Alienation, State, Dictatorship of the Proletariat	P.G. Das (History of Political Thought), S. Mukherjee(A History of Political Thought : From Plato to Marx) ,	Nelson (Western Political thought: from Socrates to the age of ideology), Mukherjee and Ramaswamy (World's Greatest thinkers) , J.C. Johari (Socialist Thinkers),	Lectures, Tutorials Assignments, Seminar	Binuri Bodo/ Bhaswati Khersa
V	Lenin- Imperialism, State and Revolution, Party, Dictatorship of the proletariat	P.G. Das (History of Political Thought), S. Mukherjee(A History of Political Thought : From Plato to Marx) ,	Nelson (Western Political thought: from Socrates to the age of ideology), Mukherjee and Ramaswamy (World's Greatest thinkers) , J.C. Johari (Socialist Thinkers),	Lectures, Tutorials, Assignments, Seminar	Dr. Limi Nampui

Fifth Semester:: Course 503 Freedom Movement and Politics in North East India-1 (Non CBCS)

Unit No.	Unit & Topics	Texts	Further Readings	Mode of Teachings	Teacher
I	Geo- political and Historical profile of North East in the 19 th century- British	Edward Gait(History of Assam), Priyam Goswami	H.K. Borpujari (Political History of Assam), Pathak &	Lectures, Tutorials, Assignments,	Dr. Rakhi Moni Gogoi

	Annexation and the Amalgamation of Sylhet and Cachar to Assam and its consequence	(the history of Assam : From Yandabo to partition), P.N. Datta (History of Assam)	Pathak (History of Assam)	Seminar	
II	Nature and Growth of freedom struggle in different parts of the north east in the 19 th century- revolt of 1857 and the North East – Rebellion by the Nobles- Popular uprisings	Edward Gait(History of Assam), Priyam Goswami (The history of Assam : From Yandabo to partition), P.N. Datta (History of Assam)	H.K. Borpujari (Political History of Assam) , Pathak & Pathak (History of Assam)	Lectures Tutorial Assignment Seminar	Binuri Bodo/ Rakhi M. Gogoi
III	Formation of the Indian National Congress- the Moderate and militant phase and their impact on the north east	Edward Gait(History of Assam), Priyam Goswami (the history of Assam : From Yandabo to partition), P.N. Datta (History of Assam)	H.K. Borpujari (Political History of Assam), Pathak & Pathak (History of Assam)	Lectures Tutorials Assignments	Dr. Limi Nampui
IV	Gandhian era- non co operation movement and the north East	Edward Gait(History of Assam), Priyam Goswami (the history of Assam : From Yandabo to partition), P.N. Datta (History of Assam)	H.K. Borpujari (Political History of Assam), Pathak & Pathak (History of Assam)	Lectures Tutorials Assignments Seminar	Dr. Roslyn Changsan
V	Civil disobedience movement, Quit India Movement and the North East	Edward Gait(History of Assam), Priyam Goswami (the history of Assam : From Yandabo to partition), P.N. Datta (History of Assam)	H.K. Borpujari (Political History of Assam), Pathak & Pathak (History of Assam)	Lectures Tutorials Assignments Seminar	Mrs. Bhaswati Khersa

FIFTH SEMESTER: (PASS) PLSP 501 GOVERNMENT AND POLITICS IN INDIA(Non CBCS)

Unit No.	Unit & Topics	Texts	Further Readings	Mode of Teachings	Teacher
I	Historical Background And The Making Of The Constitution	N.C.Mazumdar (Indian Government and politics), BL Fadia (Indian Government and Politics)	Prakash Chandra (Indian Government and Politics)	Lectures Tutorial Assignment	Mrs. Bhaswati Khersa
II	Important Features And Philosophy Of The Constitution	N.C.Mazumdar (Indian Government and politics), BL Fadia (Indian Government and Politics)	Prakash Chandra (Indian Government and Politics)	Lectures Tutorial Assignment	Dr. Limi Nampui
III	Fundamental Features , Directive Principles Of The State Policy	N.C.Mazumdar (Indian Government and politics), BL Fadia (Prakash Chandra (Indian Government and Politics)	Lectures Tutorial Assignment	Mrs. Roslyn Changsan

		Indian Government and Politics)			
IV	Federal System: Nature, Union State Relation : Emerakhi m. gogoi Trend	N.C.Mazumdar (Indian Government and politics), BL Fadia (Indian Government and Politics)	Prakash Chandra (Indian Government and Politics)	Lectures Tutorial Assignment	Binuri Bodo/ Bhaswati Khersa
V	Amendment Procedures, Important Amendments- 24 th , 25 th , 42 nd , 44 th	N.C.Mazumdar (Indian Government and politics), BL Fadia (Indian Government and Politics)	Prakash Chandra (Indian Government and Politics)	Lectures Tutorial Assignment	Dr. Rakhi Moni Gogoi

EVEN SEMESTER , JANUARY 2020- JULY 2020

SECOND SEMESTER (HONS.) PSC-H-C-201-POLITICAL THEORY – CONCEPTS AND DEBATES (CBCS)

Unit No.	Unit & Topics	Texts	Further Readings	Mode of Teachings	Teacher
I	Section A: Core Concepts Importance of Freedom a) Negative Freedom: Liberty b) Positive Freedom: Freedom as Emancipation and Developmen	Johori & Gupta (Political Theory : Concepts And Debates), O.P. Gauba (An Introduction to Political Theory)	J.C. Johori (Foundations of Political Science), R. C. Agarwal (Political Theory: Principles of Political Science)	Online Offline	Roslyn Changsan
II	Significance of Equality a) Formal Equality: Equality of opportunity; b) Political equality; C)Egalitarianism: Background inequalities and differential treatment	Johori & Gupta (Political Theory : Concepts And Debates), O.P. Gauba (An Introduction to Political Theory)	J.C. Johori (Foundations of Political Science), R. C. Agarwal (Political Theory: Principles of Political Science)	Online Offline	Rakhi M. Gogoi
III	Indispensability of Justice a) Procedural Justice b) Distributive Justice c) Global Justice	Johori & Gupta (Political Theory : Concepts And Debates), O.P. Gauba (An Introduction to Political Theory)	J.C. Johori (Foundations of Political Science), R. C. Agarwal (Political Theory: Principles of Political Science)	Online Offline	Bhaswati Khersa
IV	The Universality of Rights a) Natural Rights b) Moral and Legal Rights c) Three Generations of	Johori & Gupta (Political Theory : Concepts And Debates), O.P. Gauba (An Introduction to Political Theory)	J.C. Johori (Foundations of Political Science), R. C. Agarwal (Political Theory: Principles of Political Science)	Online Offline	Limi Nampui

	Rights				
V	Section B: Major Debates I. Human Rights: Universalism vs cultural relativism. II. Multiculturalism and Toleration	Johori & Gupta (Political Theory : Concepts And Debates), O.P. Gauba (An Introduction to Political Theory)	J.C. Johori(Foundations of Political Science), R. C. Agarwal (Political Theory: Principles of Political Science)	Online Offline	Limi Nampui

SECOND SEMESTER (HONS.) PSC-H-C-202 POLITICAL PROCESS IN INDIA (CBCS)

Unit No.	Unit & Topics	Texts	Further Readings	Mode of Teachings	Teacher
I	Political Parties and the Party System, Trends in the Party System; From the Congress System to Multi-Party Coalitions	Johori & Gupta (Political Process In India), B.L. Fadia (Indian Government and Politics)	S.L. Sikri(Indian Government and Politics), KK Ghai (Indian Government and Politics)	Online Offline	Bhaswati Khersa
II	Determinants of Voting Behaviour: Caste, Class, Gender and Religion	Johori & Gupta (Political Process In India), B.L. Fadia (Indian Government and Politics)	S.L. Sikri(Indian Government and Politics), KK Ghai (Indian Government and Politics)	Online Offline	Roslyn Changsan
III	Regional Aspirations: The Politics of Secession and Accommodation	Johori & Gupta (Political Process In India), B.L. Fadia (Indian Government and Politics)	S.L. Sikri(Indian Government and Politics), KK Ghai (Indian Government and Politics)	Online Offline	Roslyn Changsan
IV	Religion and Politics: Debates on Secularism; Minority and Majority Communalism	Johori & Gupta (Political Process In India), B.L. Fadia (Indian Government and Politics)	S.L. Sikri(Indian Government and Politics), KK Ghai (Indian Government and Politics)	Online Offline	Limi Nampui
V	Caste and Politics: Caste in Politics and the Politicization of Caste/ Affirmative Action Policies: Women, Caste and Class	Johori & Gupta (Political Process In India), B.L. Fadia (Indian Government and Politics)	S.L. Sikri(Indian Government and Politics), KK Ghai (Indian Government and Politics)	Online Offline	Rakhi M. Gogoi

SECOND SEMESTER (PASS) DSC: P.sc Pass201: INDIAN GOVERNMENT AND POLITICS/ GE 6TH SEM. (CBCS)

Unit No.	Unit & Topics	Texts	Further Readings	Mode of Teachings	Teacher
I	a. Indian Constitution: Philosophy, Basic features b. Fundamental Rights and Directive Principles	N.C. Majumdar (Indian Government and Politics) B.L. Fadia (Indian Government and Politics)	S.L. Sikri(Indian Government and Politics), KK Ghai (Indian Government and Politics)	Online Offline	Limi Nampui

II	Institutional Functioning: President, Prime Minister, Parliament and Judiciary	N.C. Majumdar (Indian Government and Politics) B.L. Fadia (Indian Government and Politics)	S.L. Sikri(Indian Government and Politics), KK Ghai (Indian Government and Politics)	Online Offline	Roslyn Changsan
III	a. Power Structure in India: Caste, class and patriarosl Changsanhy b. Religion and Politics: Debates on secularism and communalism	N.C. Majumdar (Indian Government and Politics) B.L. Fadia (Indian Government and Politics)	S.L. Sikri(Indian Government and Politics), KK Ghai (Indian Government and Politics)	Online Offline	Rakhi M. Gogoi
IV	a. Parties and Party systems in India (BHASWATI KHERSA) b. Social Movements : Workers, Peasants, Environmental and Women's Movement (MH)	N.C. Majumdar (Indian Government and Politics) B.L. Fadia (Indian Government and Politics)	S.L. Sikri(Indian Government and Politics), KK Ghai (Indian Government and Politics)	Online Offline	Bhaswati Khersa
V	Strategies of Development in India since Independence: Planned Economy and Neo-liberalism	N.C. Majumdar (Indian Government and Politics) B.L. Fadia (Indian Government and Politics)	S.L. Sikri(Indian Government and Politics), KK Ghai (Indian Government and Politics)	Online Offline	Limi Nampui

FOURTH SEMESTER (HONS.) PSC-H-C-401-POLITICAL PROCESSES AND INSTITUTIONS IN COMPARATIVE PERSPECTIVE (CBCS)

Unit No.	Unit & Topics	Texts	Further Readings	Mode of Teachings	Teacher
I	Approaches to Studying Comparative Politics a. Political Culture; b. New Institutionalism	Johori & Gupta (Political Processes And Institutions In Comparative Perspective)B.L. Fadia (Indian Government and Politics)	S.L. Sikri(Indian Government and Politics), Tapan Biswal(Comparative Politics : Institutions and Perspective), Dr. S.L. Nirala (Political Processes And Institutions In Comparative Perspective)	Online Offline	Roslyn Changsan
II	Electoral System: Definition and procedures: Types of election system (First Past the Post, Proportional Representation, Mixed Representation	Johori & Gupta (Political Processes And Institutions In Comparative Perspective)B.L. Fadia (Indian Government and Politics)	S.L. Sikri(Indian Government and Politics), Tapan Biswal(Comparative Politics : Institutions and Perspective), Dr. S.L. Nirala (Political Processes And Institutions In Comparative Perspective)	Online Offline	Rakhi M. Gogoi

III	Party System: Historical contexts of emergence of the party system and types of parties	Johari & Gupta (Political Processes And Institutions In Comparative Perspective)B.L. Fadia (Indian Government and Politics)	S.L. Sikri(Indian Government and Politics), Tapan Biswal(Comparative Politics : Institutions and Perspective), Dr. S.L. Nirala (Political Processes And Institutions In Comparative Perspective)	Online Offline	Bhaswati Khersa
IV	Nation-state: Historical evolution in Western Europe and postcolonial contexts 'Nation' and 'State': debates	Johari & Gupta (Political Processes And Institutions In Comparative Perspective)B.L. Fadia (Indian Government and Politics)	S.L. Sikri(Indian Government and Politics), Tapan Biswal(Comparative Politics : Institutions and Perspective), Dr. S.L. Nirala (Political Processes And Institutions In Comparative Perspective)	Online Offline	Rakhi M. Gogoi
V	Federalism: Historical context of Federation and Confederation: debates around territorial division of power	Johari & Gupta (Political Processes And Institutions In Comparative Perspective)B.L. Fadia (Indian Government and Politics)	S.L. Sikri(Indian Government and Politics), Tapan Biswal(Comparative Politics : Institutions and Perspective), Dr. S.L. Nirala (Political Processes And Institutions In Comparative Perspective)	Online Offline	Limi Nampui

FOURTH SEMESTER (HONS.) PSC-H-C-402-PUBLIC POLICY AND ADMINISTRATION IN INDIA (CBCS)

Unit No.	Unit & Topics	Texts	Further Readings	Mode of Teachings	Teacher
I	Public Policy a. Definition, characteristics and models b. Public Policy Process in India	Johari & Gupta (Public Policy And Administration In India), Rumki Basu (Public administration : Theories and concepts)	Ram Chandrasekharan (Public Policy And Administration In India), Arora & Goyal (Indian Public Administration : Institutions & Issues)	Online Offline	Bhaswati Khersa
II	Decentralization a. Meaning, significance and approaches and types b. Local Self Governance: Rural and Urban	Johari & Gupta (Public Policy And Administration In India), Rumki Basu (Public administration : Theories and concepts)	Ram Chandrasekharan (Public Policy And Administration In India), Arora & Goyal (Indian Public Administration : Institutions & Issues)	Online Offline	Bhaswati Khersa
III	Budget a. Concept and Significance of Budget b. Budget Cycle in India c. Various Approaches and Types of Budgeting	Johari & Gupta (Public Policy And Administration In India), Rumki Basu (Public administration : Theories and concepts)	Ram Chandrasekharan (Public Policy And Administration In India), Arora & Goyal (Indian Public Administration : Institutions & Issues)	Online Offline	Rakhi M. Gogoi

IV	Citizen and Administration Interface a. Public Service Delivery b. Redressal of Public Grievances: RTI, Lokpal, Citizens' Charter and E-Governance	Johari & Gupta (Public Policy And Administration In India), Rumki Basu (Public administration : Theories and concepts)	Ram Chandrasekharan (Public Policy And Administration In India), Arora & Goyal (Indian Public Administration : Institutions & Issues)	Online Offline	Limi Nampui
V	Social Welfare Administration a. Concept and Approaches of Social Welfare b. Social Welfare Policies: • Education: Right To Education, • Health: National Health Mission, • Food: Right To Food Security • Employment: MNREGA	Johari & Gupta (Public Policy And Administration In India), Rumki Basu (Public administration : Theories and concepts)	Ram Chandrasekharan (Public Policy And Administration In India), Arora & Goyal (Indian Public Administration : Institutions & Issues)	Online Offline	Roslyn Changsan

FOURTH SEMESTER (HONS.) PSC-H-C-403 GLOBAL POLITICS (CBCS)

Unit No.	Unit & Topics	Texts	Further Readings	Mode of Teachings	Teacher
I	a. Understanding Globalization and its Alternative Perspectives b. Political: Debates on Sovereignty and Territoriality	Rupak Dattagupta (Global Politics), Jindal & Kumar (Global Politics : Issues & Perspective), H. Shukla (Global Politics)	Andrew Heywood(Global Politics), S.C. Singhal (International Politics),	Online Offline	Rakhi M. Gogoi
II	a . Global Economy: Its Significance and Anchors of Global Political Economy: IMF, b. World Bank, WTO, TNCs c. Cultural and Technological Dimension d. Global Resistances (Global Social Movements and NGOs)	Rupak Dattagupta (Global Politics), Jindal & Kumar (Global Politics : Issues & Perspective), H. Shukla (Global Politics)	Andrew Heywood(Global Politics), S.C. Singhal (International Politics),	Online Offline	Limi Nampui

III	A .Ecological Issues: Historical Overview of International Environmental Agreements, Climate Change (BB) b. Proliferation of Nuclear Weapons (MH)	Rupak Dattagupta (Global Politics),Jindal & Kumar (Global Politics : Issues & Perspective), H. Shukla (Global Politics)	Andrew Heywood(Global Politics),S.C. Singhal (International Politics),	Online Offline	Rakhi M. Gogoi
IV	a International Terrorism: Non-State Actors and State Terrorism; Post 9/11 developments b Migration c. Human Security	Rupak Dattagupta (Global Politics),Jindal & Kumar (Global Politics : Issues & Perspective), H. Shukla (Global Politics)	Andrew Heywood(Global Politics),S.C. Singhal (International Politics),	Online Offline	Roslyn Changsan
V	Global Politics: Relevance of U.N.O	Rupak Dattagupta (Global Politics),Jindal & Kumar (Global Politics : Issues & Perspective), H. Shukla (Global Politics)	Andrew Heywood(Global Politics),S.C. Singhal (International Politics),	Online Offline	Bhaswati Khersa

FOURTH SEMESTER (SEC) SEC: P.Sc 401: PUBLIC OPINION AND SURVEY RESEAROSLYN CHANGSANH (CBCS)

Unit No.	Unit & Topics	Texts	Further Readings	Mode of Teachings	Teacher
I	Public opinion: Definition and characteristics, its role.	Kothari & Garakhi m. gogoi (Researoslyn Changsan Methodology : Methods and Techniques), Sachdeva Researoslyn Changsan Methodology)	W. Lippman(Public Opinion : A classic in political and social thought), Ram Ahuja (Researoslyn Changsan Methods), Nanda & Sharma (Political Science (Public opinion and survey researoslyn Changsanh),	Online Offline	Bhaswati Khersa
II	Sampling: Meaning, Types, Sampling Error	Kothari & Garakhi m. gogoi (Researoslyn Changsan Methodology : Methods and Techniques), Sachdeva (Researoslyn Changsan Methodology)	W. Lippman(Public Opinion : A classic in political and social thought), Ram Ahuja (Researoslyn Changsan Methods), Nanda & Sharma (Political Science (Public opinion and survey researoslyn Changsanh),	Online Offline	Rakhi M. Gogoi
III	a. Interviewing: Interview techniques, pitfalls. b. Questionnaire: Meaning,	Kothari & Garakhi m. gogoi (Researoslyn Changsan Methodology : Methods and	W. Lippman(Public Opinion : A classic in political and social thought), Ram Ahuja (Researoslyn Changsan Methods), Nanda	Online Offline	Limi Nampui

	merits & demerits	Techniques), Sachdeva (Researchoslyn Changsan Methodology)	& Sharma (Political Science (Public opinion and survey researchoslyn Changsan),		
IV	Introduction to data processing and data analysis.	Kothari & Garakhi m. gogoi (Researchoslyn Changsan Methodology : Methods and Techniques), Sachdeva (Researchoslyn Changsan Methodology)	W. Lippman(Public Opinion : A classic in political and social thought), Ram Ahuja (Researchoslyn Changsan Methods), Nanda & Sharma (Political Science (Public opinion and survey researchoslyn Changsan),	Online Offline	Roslyn Changsan
V	Understanding opinion polls: merits & demerits	Kothari & Garakhi m. gogoi (Researchoslyn Changsan Methodology : Methods and Techniques), Sachdeva (Researchoslyn Changsan Methodology)	W. Lippman(Public Opinion : A classic in political and social thought), Ram Ahuja (Researchoslyn Changsan Methods), Nanda & Sharma (Political Science (Public opinion and survey researchoslyn Changsan),	Online Offline	Roslyn Changsan

FOURTH SEMESTER (PASS) DSC: P.sc Pass 401: INTRODUCTION TO INTERNATIONAL RELATIONS (CBCS)

Unit No.	Unit & Topics	Texts	Further Readings	Mode of Teachings	Teacher
I	Approaches to International Relations: a) Classical Realism (Hans Morakhi m. gogoienthau) and Neo-Realism (Kenneth Waltz) b) Neo-Liberalism	J.C. Johori (International Relations and politics)	V.K. malhotra (International Relations)	Online Offline	Rakhi M. Gogoi
II	Structural Approaches: World Systems Approach (Immanuel Wallerstein) and Dependency School (Andre Gunder Frank)	J.C. Johori (International Relations and politics)	V.K. malhotra (International Relations)	Online Offline	Rakhi M. Gogoi
III	Cold War: Origin, Causes and Consequences, End of the ColdWar	J.C. Johori (International Relations and politics)	V.K. malhotra (International Relations)	Online Offline	Bhaswati Khersa
IV	India's Foreign Policy I: Basic Determinants (Historical, Geo-Political, Economic, Domestic and Strategic)	S.C. Singhal (Foreign Policy of India), VP Dutt (India's Foreign Policy in a Changing World)	J.Bandhopadhyaya, (The Making Of India's Foreign Policy), J.N. Dixit (Indias foreign policy and its neighbours)	Online Offline	Limi Nampui
V	India's Foreign Policy II: India's Policy of Non-alignment, India: An Emerakhi m. gogoiing Power	H. Shukla (India's Foreign Policy In A Globalizing World), S.C. Singhal (Foreign Policy of India), VP Dutt (India's Foreign Policy in a Changing World)	J.Bandhopadhyaya, (The Making Of India's Foreign Policy), J.N. Dixit (Indias foreign policy and its neighbours)	Online Offline	Roslyn Changsan

SIXTH SEMESTER :: **PLSH 601 Government & Politics in India(NON CBCS)**

Unit No.	Unit & Topics	Texts	Further Readings	Mode of Teachings	Teacher
I	Party system- origin, development and changing nature	B.L. Fadia (Government and Politics in India), S.L. Sikri (Indian Government and Politics)	D.D. Basu (Indian Constitution), Rajni Kothari (Politics In India)	Lectures Tutorial Assignment	Roslyn Changsan
II	Structure, Ideology, and social base of national and regional parties	B.L. Fadia (Government and Politics in India), S.L. Sikri (Indian Government and Politics)	Zoya Hasan (Politics and State in India),) D.D. Basu (Indian Constitution)	Lectures Tutorial Assignment	Limi nampui
III	Political Dynamics- Secularism, Regionalism, National Integration- Role of Religion , Caste and Language	B.L. Fadia (Government and Politics in India), S.L. Sikri (Indian Government and Politics)	Atul Kohli (Success of Indian Democracy), Prakash Chander (Government and Politics in India), Rajni Kothari (Politics in India)	Lectures Tutorial Assignment	Bhaswati Khersa
IV	Electoral politics in India- patterns and trends	B.L. Fadia (Government and Politics in India), S.L. Sikri (Indian Government and Politics)	Prakash Chandra (Government and Politics in India), Rajni Kothari (Politics in India)	Lectures Tutorial Assignment	Rakhi Moni Gogoi
V	Federalism and democratic decentralization- recent trends	B.L. Fadia (Government and Politics in India), S.L. Sikri (Indian Government and Politics)	Bipan Chandra and M. Mukherjee (India Since Independence), Rajni Kothari (Politics in India)	Lectures Tutorial Assignment	Roslyn Changsan

SIXTH SEMESTER ::PLSH 602 SOCIALIST THINKERS(**NON CBCS**)

Unit No.	Unit & Topics	Texts	Further Readings	Mode of Teachings	Teacher
I	Stalin: Nationality Question And Socialism In One Country	P.G. Das (History of Political Thought), S. Mukherjee(A History of Political Thought : From Plato to Marx) ,	Nelson (Western Political thought: from Socrates to the age of ideology), Mukherjee and Ramaswamy (World's Greatest thinkers)	Lectures Tutorial Assignment Seminar	Limi Nampui
II	Mao : On Practice, On Contradiction	Mukherjee and Ramaswamy (World's Greatest Socialist Thinkers) , Gupta, R.C (Great Political Thinkers (East and West),	Nelson (Western Political thought: from Socrates to the age of ideology), P.G. Das (History of Political Thought), Mukherjee and Ramaswamy (World's Greatest thinkers)	Lectures Tutorial Assignment Seminar	Bhaswati Khera
III	Mao: New Democracy, Cultural Revolution, On War	P.G. Das (History of Political Thought), S. Mukherjee(A History of Political Thought : From Plato to Marx) ,	Mukherjee and Ramaswamy (World's Greatest thinkers) , J.C. Johari (Socialist Thinkers),	Lectures Tutorial Assignment Seminar	Roslyn Changsan
IV	Euro Communism	P.G. Das (History of Political Thought), S. Mukherjee(A History of Political Thought : From Plato to Marx) , J.C. Johari (socialist Thinkers),	Gupta, R.C (Great Political Thinkers (East and West), P.G. Das (History of Political Thought),	Lectures Tutorial Assignment Seminar	Bhaswati Khera
V	New Left: Che Guevara, Herbert Maroslyn Changsanuse	J.C. Johari (socialist Thinkers), Mukherjee and Ramaswamy (World's Greatest Socialist Thinkers) ,	Nelson (Western Political thought: from Socrates to the age of ideology)	Lectures Tutorial Assignment Seminar	Rakhi Moni Gogoi

SIXTH SEMESTER ::PLSH 603 **FREEDOM MOVEMENT & NORTH EAST INDIA(NON CBCS)**


Unit No.	Unit & Topics	Texts	Further Readings	Mode of Teachings	Teacher
I	North East in the twilight of independence – Cabinet Mission, Grouping Plan and Partition	Edward Gait(History of Assam), Priyam Goswami (the history of Assam : From Yandabo to partition), P.N. Datta (History of Assam)	H.K. Borpujari (Political History of Assam), Pathak & Pathak (History of Assam)	Lectures Tutorial Assignment Seminar	Rakhi Moni Gogoi
II	Congress and Muslim League Politics in the North East- Question of Sylhet's Reunion with Bengal- Referendum and the transfer of Sylhet to Pakistan and its Consequences	Edward Gait(History of Assam), Priyam Goswami (the history of Assam : From Yandabo to partition), P.N. Datta (History of Assam)	H.K. Borpujari (Political History of Assam), Pathak & Pathak (History of Assam)	Lectures Tutorial Assignment Seminar	Rakhi Moni Gogoi
III	Politics of immigration before and after independence	Edward Gait(History of Assam), Priyam Goswami (the history of Assam : From Yandabo to partition), P.N. Datta (History of Assam)	H.K. Borpujari (Political History of Assam), Pathak & Pathak (History of Assam)	Lectures Tutorial Assignment Seminar	Limi Nampui
IV	Language politics and reorakhi m. gogoianisation of Assam, Anti foreigners agitation in Assam and its consequence on the North East	Edward Gait(History of Assam), Priyam Goswami (the history of Assam : From Yandabo to partition), P.N. Datta (History of Assam)	H.K. Borpujari (Political History of Assam), Pathak & Pathak (History of Assam)	Lectures Tutorial Assignment Seminar	Roslyn L. Changsan
V	Autonomy /statehood movements, insurakhi m. gogoiency and its impact	Edward Gait(History of Assam), Priyam Goswami (the history of Assam : From Yandabo to partition), P.N. Datta (History of Assam)	H.K. Borpujari (Political History of Assam), Pathak & Pathak (History of Assam)	Lectures Tutorial Assignment Seminar	Bhaswati khera

SIXTH SEMESTER ::PLSP 601 **GOVERNMENT AND POLITICS IN INDIA(NON CBCS)**

Unit No.	Unit & Topics	Texts	Further Readings	Mode of Teachings	Teacher
I	Government Structure: Union, President, Prime Minister,	N.C.Mazumdar (Indian Government	Prakash Chander (Indian Government and Politics)	Lectures Tutorial	Bhaswati Khera

	Cabinet and Parliament	and politics), BL Fadia (Indian Governmnet and Politics)		Assignment	
II	Govt. Structure: State-Governor, Chief Minister, Council of Minister and State Legislature	N.C.Mazumdar (Indian Government and politics), BL Fadia (Indian Governmnet and Politics)	Prakash Chander (Indian Government and Politics)	Lectures Tutorial Assignment	Roslyn Changsan
III	Judicial System- Supreme Court and High Court, Judicial Review	N.C.Mazumdar (Indian Government and politics), BL Fadia (Indian Governmnet and Politics)	Prakash Chander (Indian Government and Politics)	Lectures Tutorial Assignment	Limi Nampui
IV	Political Parties and the Party System- National (CONG., BJP. And Communist Parties) and Regional Parties(AGP, Akali Dal and TDP)- Structure and Ideology, Coalition Politics	N.C.Mazumdar (Indian Government and politics), BL Fadia (Indian Governmnet and Politics)	Prakash Chander (Indian Government and Politics)	Lectures Tutorial Assignment	Rakhi Moni Gogoi
V	Political Institutions at the Local Level – Panchayat System in Assam, administration in the hill district of Assam	N.C.Mazumdar (Indian Government and politics), BL Fadia (Indian Governmnet and Politics)	Prakash Chander (Indian Government and Politics)	Lectures Tutorial Assignment	Limi Nampui

1. RAKHI M. GOGOI – DR. RAKHI MONI GOGOI
2. BHASWATI KHERSA – MRS. BHASWATI KHERSA
3. ROSLYN CHANGSAN – MRS. ROSLYN LAMTINTHEM CHANGSAN
4. LIMI NAMPUI- DR. LOILUNGTHIANGLIMI NAMPUI
5. BB – MISS BINURI BODOD


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Rakhi M. Gogoi
 19/8/2019
 HOD
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Plan for implementation of TDC (CBCS) , **Honours Courses**

Odd Semester; Session 2019 – 2020

Course Name: Phycology & Microbiology

Course code: BOTHCC-101 T, Credit:4 Marks :70 Pass Marks:28

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
1	Introduction to microbial world	12	Dr. Monohar Deka	Lecture,
2	Viruses	12		
3	Bacteria	12		
4	Algae	12	Dr. Rishikesh Upadhyay	
5	Division of Algae	12		

Continuous and Comprehensive Assessment: (CCE): As per the guidelines of the University, Internal assessment will be done taking two unit test along with the regularity in class attendance 20 marks for each course in each semester; qualifying the test is mandatory for appearing in the end semester examination and the better marks secured out of the two unit test will be counted in the university conducted end semester examination.

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Plan for implementation of TDC (CBCS) , **Honours Courses**


Odd Semester; Session 2019 – 2020

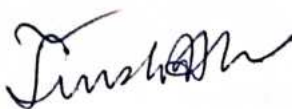
Course Name: Biomolecules and Cell Biology

Course code: BOTHCC-102 T, Credit:4 Marks :70 Pass Marks:28

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
1	Biomolecules	12	Dr. Rishikesh Upadhyay	Lecture,
2	Bioenergenetics of enzymes	12		
		12		
3	The cell structure	12	Mr. Ron Kamprai	
4	Cell organelles	12		
5	Cell Division	12		

Continuous and Comprehensive Assessment: (CCE): As per the guidelines of the University, Internal assessment will be done taking two unit test along with the regularity in class attendance 20 marks for each course in each semester; qualifying the test is mandatory for appearing in the end semester examination and the better marks secured out of the two unit test will be counted in the university conducted end semester examination.


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Plan for implementation of TDC (CBCS) , Pass Courses

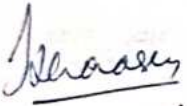
Odd Semester; Session 2019– 2020

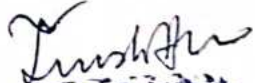
Course Name: Biodiversity (Microbes, Algae, Fungi and Archegonite)

Course code: BOTDSC/GE-101 T, Credit:4 Marks :70 Pass Marks:28

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
1	Microbes	12	Dr. Jamshed ALi	Lecture,
2	Algae& Fungi	12		
3	Bryophytes	12	Dr. Monahar Deka Mrs. KK Hazrika	
4	Pteridophytes	12		
5	Gymnosperms	12		

Continuous and Comprehensive Assessment: (CCE): As per the guidelines of the University, Internal assessment will be done taking two unit test along with the regularity in class attendance 20 marks for each course in each semester; qualifying the test is mandatory for appearing in the end semester examination and the better marks secured out of the two unit test will be counted in the university conducted end semester examination.


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Plan for implementation of TDC (CBCS) , **Honours Courses**

Odd Semester; Session 2019 – 2020

Course Name: Anatomy of Angiosperms

Course code: BOTHCC-301 T, Credit:4 Marks :70 Pass Marks:28

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
1	Introduction and scope of Plant anatomy	12	Dr. Jamshed Ali	Lecture,
2	Structure and Development of plant body	12		
3	Tissues	12		
4	Apical Meristem	12	Mrs. Kalpana Kumari Hazarika	
5	Vascular cambium and wood	12		
6	Adaptive and protective system	12		

Continuous and Comprehensive Assessment: (CCE): As per the guidelines of the University, Internal assessment will be done taking two unit test along with the regularity in class attendance 20 marks for each course in each semester; qualifying the test is mandatory for appearing in the end semester examination and the better marks secured out of the two unit test will be counted in the university conducted end semester examination.s

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Plan for implementation of TDC (CBCS) , **Honours Courses**

Odd Semester; Session 2019 – 2020

Course Name: Economic Botany

Course code: BOTHCC-302 T, Credit:4 Marks :70 Pass Marks:28

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
1	Origin of Culticated Plants	12	Dr.Monahar Deka	Lecture,
2	Cereals	12		
3	Legumes	12		
4	Sources of sugars and starches	12		
5	Spices	12	Mrs. K.K Hazarika	
6	Beverages	12		
7	Sources of oils and fats	12		
8	Natural Rubber	12		
9	Drug-yielding plants	12		

Continuous and Comprehensive Assessment: (CCE): As per the guidelines of the University, Internal assessment will be done taking two unit test along with the regularity in class attendance 20 marks for each course in each semester; qualifying the test is mandatory for appearing in the end semester examination and the better marks secured out of the two unit test will be counted in the university conducted end semester examination.


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Plan for implementation of TDC (CBCS) , Honours Courses
Odd Semester; Session 2019 – 2020

Course Name: Genetics
Course code: BOTHCC-301 T, Credit:4 Marks :70 Pass Marks:28

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
I	Mendelism genetics and extension	12	Mr. Ron Kampai	Lecture,
2	Extraachromosomal inheritance	12		
3	Linkage, crossing over and chromosome mapping	12		
4	Variation in chromosome number and structure	12		
5	Gene mutations	12	Dr. R.K. Upadhyay	
6	Fine structure of gene	12		
7	Population and Evolutionary genetics.	12		

Continuous and Comprehensive Assessment: (CCE): As per the guidelines of the University, Internal assessment will be done taking two unit test along with the regularity in class attendance 20 marks for each course in each semester; qualifying the test is mandatory for appearing in the end semester examination and the better marks secured out of the two unit test will be counted in the university conducted end semester examination.

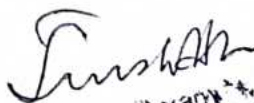
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Plan for implementation of TDC (CBCS) , Pass Courses
Odd Semester; Session 2019 – 2020

Course Name: Plant Anatomy and Embryology
Course code: BOTDSC/GE-301 T, Credit:4 Marks :70 Pass Marks:28

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
1	Meristematic and permanent tissue	12	Dr.Monahar Deka	Lecture,
2	Secondary Growth	12		
3	Adaptive and protective system	12		
4	Structural organization of flower	12		
5	Pollination and fertilization	12	Mrs. K.K Hazarika	
6	Embryo and endosperm	12		

Continuous and Comprehensive Assessment: (CCE): As per the guidelines of the University, Internal assessment will be done taking two unit test along with the regularity in class attendance 20 marks for each course in each semester; qualifying the test is mandatory for appearing in the end semester examination and the better marks secured out of the two unit test will be counted in the university conducted end semester examination.


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Plan for implementation of TDC (CBCS) , Honours Courses
Odd Semester; Session 2019 – 2020
Course Name: Reproductive Biology of Angiosperms
Course code: BOTHCC-501 T, Credit:4 Marks :70 Pass Marks:28

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
1	Reproductive & reproductive development	12	Dr. Jamshed Ali	Lecture,
2	Anther And Pollen biology & ovule	12		
3	Pollination and fertilization	12		
4	Self incompatibility	12	Dr. R.K. Upadhyay	
5	Embryo, Endosperm, seed & Polyembryony and apomixis	12		

Continuous and Comprehensive Assessment: (CCE): As per the guidelines of the University, Internal assessment will be done taking two unit test along with the regularity in class attendance 20 marks for each course in each semester; qualifying the test is mandatory for appearing in the end semester examination and the better marks secured out of the two unit test will be counted in the university conducted end semester examination.

Haflong Govt. College
Plan for implementation of TDC (CBCS) , Honours courses
Odd Semester; Session 2019 – 2020
Course Name: Plant Physiology
Course code: BOTHCC-502 T, Credit:4 Marks :70 Pass Marks:28

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
1	Plant water relation	12	Dr.Monahar Deka	Lecture,
2	Mineral nutrition &uptake of Nutrition	12		
3	Translocation in the Phloem	12	Dr. R.K. Upadhyay	
4	Plant growth regulations	12	Mrs. K.K. Hazarika	
5	Physiology of Flowering	12		

Continuous and Comprehensive Assessment: (CCE): As per the guidelines of the University, Internal assessment will be done taking two unit test along with the regularity in class attendance 20 marks for each course in each semester; qualifying the test is mandatory for appearing in the end semester examination and the better marks secured out of the two unit test will be counted in the university conducted end semester examination.


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 Plan for implementation of TDC (CBCS) , (Honours Courses& Pass course)
Odd Semester; Session 2019– 2020
Course Name: Analytical Techniques in Plant Sciences
 Course code: BOTDSE-501 T, Credit:4 Marks :70 Pass Marks:28

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
1	Imaging and related techniques	12	Dr. Jamshed Ali	Lecture,
2	Cell fractionation	12		
3	Redioisotopes & Spectrophotometry	12		
4	Chromatography	12	Dr. R.K. Upadhyay	
5	Characterization of Proteins and nucleic acids	12		

Continuous and Comprehensive Assessment: (CCE): As per the guidelines of the University, Internal assessment will be done taking two unit test along with the regularity in class attendance 20 marks for each course in each semester; qualifying the test is mandatory for appearing in the end semester examination and the better marks secured out of the two unit test will be counted in the university conducted end semester examination.

Haflong Govt. College
 Plan for implementation of TDC (CBCS) , Honours courses
Odd Semester; Session 2019 – 2020
Course Name: Plant Breeding
 Course code: BOTDSE-502 T, Credit:4 Marks :70 Pass Marks:28

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
1	Plant breeding	10	Mr. Ron Kamprai	Lecture,
2	Method of crop improvement	10		
3	Quantitative inheritance	10		
4	Inbreeding depression	10		
5	Crop improvement & Breeding	10		

Continuous and Comprehensive Assessment: (CCE): As per the guidelines of the University, Internal assessment will be done taking two unit test along with the regularity in class attendance 20 marks for each course in each semester; qualifying the test is mandatory for appearing in the end semester examination and the better marks secured out of the two unit test will be counted in the university conducted end semester examination.

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 Principal
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 HoE, Botany
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Plan for implementation of TDC (CBCS) ,Honours Course
Even Semester; Session 2019 – 2020
Course Name: Mycology and Plant Pathology
Course code : BOTHCC-201 T, Credit:4 Marks :70 Pass Marks:28


Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
1	Introduction to true fungi	12	Dr. Jamshed Ali	Lecture,
2	Division of Fungi	12		
3	Symbiotic association	12		
4	Applied Mycology	12		
5	Phytopathology	12		

Continuous and Comprehensive Assessment: (CCE): As per the guidelines of the University, Internal assessment will be done taking two unit test along with the regularity in class attendance 20 marks for each course in each semester; qualifying the test is mandatory for appearing in the end semester examination and the better marks secured out of the two unit test will be counted in the university conducted end semester examination.

Haflong Govt. College
Plan for implementation of TDC (CBCS) ,Honours Course
Even Semester; Session 2019– 2020
Course Name: Archegonite
Course code: BOTHCC-202 T, Credit:4 Marks :70 Pass Marks:28

Course code: BOTNCC-2021, Credit:4 Marks:70 Pass Marks:20				
Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
1	Introduction	12	Dr. Rishikesh Upadhyay	Lecture,
2	Bryophytes	12		
3	Types studies- Bryophytes	12		
4	Pteridophytes	12	Mrs K.K Hazarika	
5	Gymnosperms	12		

Continuous and Comprehensive Assessment: (CCE): As per the guidelines of the University, Internal assessment will be done taking two unit test along with the regularity in class attendance 20 marks for each course in each semester; qualifying the test is mandatory for appearing in the end semester examination and the better marks secured out of the two unit test will be counted in the university conducted end semester examination.


Principal
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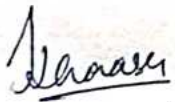

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Haflong Govt. College
Plan for implementation of TDC (CBCS) , Pass Courses
Even Semester; Session 2019 – 2020

Course Name: Plant Ecology and Taxonomy
Course code: BOTDSC/GE-201 T, Credit:4 Marks :70 Pass Marks:28

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
1	Ecological factors & Plant Communities	12	Dr. Jamshed ALi	Lecture,
2	Ecosystem & Phytogeography	12		
3	Introduction to Plant taxonomy & identification	12	Dr. R.K. Upadhyay	
4	Taxonomic hierarchy & Botanical nomenclature	12		
5	Classification	12		

Continuous and Comprehensive Assessment: (CCE): As per the guidelines of the University, Internal assessment will be done taking two unit test along with the regularity in class attendance 20 marks for each course in each semester; qualifying the test is mandatory for appearing in the end semester examination and the better marks secured out of the two unit test will be counted in the university conducted end semester examination.


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Department of Botany
Haflong Govt. College
Plan for implementation of TDC (CBCS) , Honours Course
Even Semester ; Session 2019 – 2020

Name of Course: **Molecular Biology**
Course code: BOTHCC401T, Credit:4 Marks :70 Pass Marks:28

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
1	Nuclear acids	4	Mr. Ron Kamprai	Lecture,
2	The structure of DNA and RNA	10		
3	The replication of DNA	10		
4	Central dogma and genetic code	2		
5	Transcription	18		
6	Processing and modification of RNA	8		
7	Translation	8		

Continuous and Comprehensive Assessment: (CCE): As per the guidelines of the University, Internal assessment will be done taking two unit test along with the regularity in class attendance 20 marks for each course in each semester; qualifying the test is mandatory for appearing in the end semester examination and the better marks secured out of the two unit test will be counted in the university conducted end semester examination.

Plan for implementation of TDC (CBCS) , Honours Course
Even Semester ; Session 2019 – 2020
Name of Course: **Plant Ecology and Phytopathology**
Course code: BOTHCC402T, Credit:4 Marks :70 Pass Marks:28

Course code: BOTHC4021, Credit: 4 Marks: 70 Pass Marks: 28				
Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
1	Introduction	4	Dr. Rishikesh Upadhyay	Lecture,
2	Soil	8		
3	Water	4	Dr. Monahar Deka	
4	Light,temperature,wind and fire	6		
5	Biotic interactions	2		
6	Population ecology	4		
7	Plant communities	8	Mrs K.K. Hazarika	
8	Ecosystem	4		
9	Functional aspects of ecosystem	8		
10	Phytogeography	12		

Continuous and Comprehensive Assessment: (CCE): As per the guidelines of the University, Internal assessment will be done taking two unit test along with the regularity in class attendance 20 marks for each course in each semester; qualifying the test is mandatory for appearing in the end semester examination and the better marks secured out of the two unit test will be counted in the university conducted end semester examination


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Department of Botany
Haflong Govt. College
Plan for implementation of TDC (CBCS) ,Honours Course
Even Semester ; Session 2019 – 2020

Name of Course: Plant Systematics
Course code: BOTHCC403T, Credit:4 Marks :70 Pass Marks:28

UNIT-1: Diversity of Life, Credit: 4 Marks: 70 Pass Marks: 28				
Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
1	Significance of Plant systematic	12	Dr. Jamshed Ali	Lecture,
2	Taxonomic hierarchy	6		
3	Botanical nomenclature	10		
4	Systems of Classification	12		
5	Biometrics, numerical taxonomy and Cladistics	10	Dr. R.K.Upadhyay	
6	Phylogeny of Angiosperms	12		

Continuous and Comprehensive Assessment: (CCE): As per the guidelines of the University, Internal assessment will be done taking two unit test along with the regularity in class attendance 20 marks for each course in each semester; qualifying the test is mandatory for appearing in the end semester examination and the better marks secured out of the two unit test will be counted in the university conducted end semester examination.

Department of Botany
Haflong Govt. College
Plan for implementation of TDC (CBCS) , Pass Course
Even Semester ; Session 2019 – 2020

Name of Course: Plant Physiology and Metabolism
Course code: BOTDSC/GE-401T, Credit:4 Marks :70 Pass Marks:28

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
1	Plant-water relations & Mineral nutrition	12	Dr. Rishikesh Upadhyay	Lecture,
2	Translocation in Phloem & Photosynthesis	12		
3	Respiration	12		
4	Enzymes & Nitrogen metabolism	12		
5	Plant growth regulators & Plant response to light and temperature	12	Dr. Monahar Deka	

Continuous and Comprehensive Assessment: (CCE): As per the guidelines of the University, Internal assessment will be done taking two unit test along with the regularity in class attendance 20 marks for each course in each semester; qualifying the test is mandatory for appearing in the end semester examination and the better marks secured out of the two unit test will be counted in the university conducted end semester examination.

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Department of Botany
Haflong Govt. College
Plan for implementation of TDC (CBCS) ,Honours Course
Even Semester; Session 2019 – 2020

Course Name: Plant Metabolism

Course code: BOTHCC-601T, Credit:4 Marks :70 Pass Marks:28

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
I	Concept of metabolism & Carbon assimilation	12	Dr. Rishikesh Upadhyay	Lecture,
2	Carbon Oxidation	12		
3	ATP Synthesis	12	Dr. Monhar Deka	
4	Lipid and Nigrogen metabolism	12		
5	Mechanism of signal trasduction	12		

Continuous and Comprehensive Assessment: (CCE): As per the guidelines of the University, Internal assessment will be done taking two unit test along with the regularity in class attendance 20 marks for each course in each semester; qualifying the test is mandatory for appearing in the end semester examination and the better marks secured out of the two unit test will be counted in the university conducted end semester examination.

Haflong Govt. College
Plan for implementation of TDC (CBCS) ,Honours Course
Even Semester; Session 2019– 2020

Course Name: Plant Biotechnology

Course code: BOTHCC-602T, Credit:4 Marks :70 Pass Marks:28

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
1	Plant Tissue Culture	12	Mr. Ron Kamprai	Lecture,
2	Recombinant DNA technology	12		
3	Gene Cloning	12		
4	Method of Gene transfer	12		
5	Application of Biotechnology	12		

Continuous and Comprehensive Assessment: (CCE): As per the guidelines of the University, Internal assessment will be done taking two unit test along with the regularity in class attendance 20 marks for each course in each semester; qualifying the test is mandatory for appearing in the end semester examination and the better marks secured out of the two unit test will be counted in the university conducted end semester examination.


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Plan for implementation of TDC (CBCS) ,(Honours Course & Pass Course)

Even Semester; Session 2019– 2020

Course Name: Industrial and Environmental Microbiology

Course code: BOTDSE-III T, Credit:4 Marks :70 Pass Marks:28

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
I	Microbial production of industrial products	12	Dr. Jamshed Ali	Lecture,
2	Bioreactors/ fermenters and fermentation process	12		
3	Microbial enzymes of industrial interest and enzymes immobilization	12		
4	Microbes flora of water	12	Dr. R.K Upadhyay	
5	Microbes in agriculture and remediation of contaminated soils	12		

Continuous and Comprehensive Assessment: (CCE): As per the guidelines of the University, Internal assessment will be done taking two unit test along with the regularity in class attendance 20 marks for each course in each semester; qualifying the test is mandatory for appearing in the end semester examination and the better marks secured out of the two unit test will be counted in the university conducted end semester examination.

Haflong Govt. College

Plan for implementation of TDC (CBCS) , Honours Course

Even Semester; Session 2019– 2020

Course Name: Research Methology

Course code: BOTDSE- IV T, Credit:4 Marks :70 Pass Marks:28

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
I	Basis concept of research	12	Dr. Rishikesh Upadhyay	Lecture,
2	General laboratory practices	12		
3	Data collection and documentation of observation	12		
4	Plant Microtechniques	12	Dr. Jamshed Ali	
5	The art of scientific writing and its presentation	12		

Continuous and Comprehensive Assessment: (CCE): As per the guidelines of the University, Internal assessment will be done taking two unit test along with the regularity in class attendance 20 marks for each course in each semester; qualifying the test is mandatory for appearing in the end semester examination and the better marks secured out of the two unit test will be counted in the university conducted end semester examination.

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Department of Chemistry ::: Haflong Govt. College

Plan for Curriculum Implementation

Academic Session 2019-2020

Prepared by

Curriculum Implementation Committee

Department of Chemistry

Haflong Government College

Department of Chemistry :: Haflong Government College

Plan for Curriculum Implementation


The Department of Chemistry of Haflong Government College has made the following plan for implementation of the Curriculum of Three-year Degree Course under Choice Based Credit System (CBCS). The programme implemented as TDC (CBCS OR non CBCS) Honours and TDC (CBCS or non CBCS) General for the Session 2019-20. The Curriculum is designed by Assam University.

The different units and topics of the TDC Honours and General Programme has been allotted to individual faculty as mentioned in the following table. Details of plan for each unit and topic will be designed by each of the faculty (the books here are referred by the University and availability at local place)

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01/08/19
Head Dept. of Chemistry
Haflong Govt. College
Haflong

Odd Semester from July 2019 to December 2019

Plan for Implementation of B. Sc (Chemistry) Honours and B. Sc (Chemistry) General CBCS and non CBCS programme

B. Sc First Semester Honours Programme under CBCS Syllabus

Course No. CHM-HCC-101T, Course Name: **Inorganic Chemistry-1** (Atomic Structure and Chemical Bonding)


Contact Hours: 60, Credit: 04, Full Marks = 70, Pass Marks = 28

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	Atomic Structure	J. D. Lee, Concise Inorganic Chemistry. B. E. Douglas, and D. H. Mc Daniel, Concepts & Models of Inorganic Chemistry.	Lecture, Tutorial Seminar & Assignment	Uttam Kumar Paul
2	Periodicity of Elements	-do-	-do-	-do-
3	Chemical Bonding-I	-do-	-do-	Sankar Neogi
4	Chemical Bonding-II	-do-	-do-	-do-
5	Oxidation-Reduction	-do-	-do-	Kazi Kawsar Ahmed

Continuous and Comprehensive Assessment (CCA): As per the guidelines of the university, internal assessment will be done by taking two-unit tests of 14 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two-unit tests will be counted in the university conducted end semester examinations.

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Course No. CHM-HCC-102T, **Course Name:** Physical Chemistry – I (States of Matter & Ionic Equilibrium)

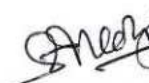
Contact Hours: 60, **Credit:** 04, **Full Marks** = 70, **Pass Marks** = 28

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	Gaseous State I	P. W. Atkins, & J. de Paula, Atkin's Physical Chemistry. D. W. Ball, Physical Chemistry. Castellan, G. W. Physical Chemistry.	Lecture, Tutorial Seminar & Assignment	Uttam Kumar Paul
2	Gaseous State II	-do-	-do-	-do-
3	Liquid State	-do-	-do-	Kazi Kawsar Ahmed
4	Solid State	-do-	-do-	-do-
5	Ionic Equilibria	-do-	-do-	Dewali Chakraborty

Continuous and Comprehensive Assessment (CCA): As per the guidelines of the university, internal assessment will be done by taking two-unit tests of 14 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two-unit tests will be counted in the university conducted end semester examinations.

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Head
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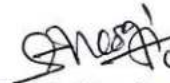
Course No. CHM-HCC-103L, Course Name: Inorganic Chemistry – I (Practical)

Contact Hours: 60, Credit: 02, Full Marks = 30, Pass Marks = 12

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1.	Part I: Titrimetric Analysis: (i). Calibration and use of apparatus. (ii). Preparation of solution of different Molarity/Normality of titrants.	A. I. Vogel, A Textbook of Quantitative Inorganic Analysis. A. K. Nad, B. Mahapatra, A. Ghoshal, An Advanced Course in Practical Chemistry.	Laboratory work & Assignment	Dilip Chorei
2	Part II: Oxidation-Reduction Titrimetry (i). Estimation of Fe (II) and Oxalic acid using standardized KMnO_4 . (ii). Estimation of Fe (II) with $\text{K}_2\text{Cr}_2\text{O}_7$.	-do-	-do-	-do-

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Course No. CHM-HCC-104L, Course Name: Physical Chemistry -I (Practical)

Contact Hours: 60, Credit: 02, Full Marks = 30, Pass Marks = 12

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1. Part I:	(a). Determination of transition temperature of the given substance by thermometric method (e.g., $\text{MgSO}_4/\text{MnCl}_2/\text{Na}_2\text{SO}_4 \cdot 10\text{H}_2\text{O}$). (b). To determine the surface tension of glycerol/acetic acid/aniline solutions at different Concentrations and construction of graph.	B. D. Khosla, V. C. Garg, & A. Gulati, Senior Practical Physical Chemistry.	Laboratory work & Assignment	Kazi Kawsar Ahmed
2. Part II	(a). Preparation of Sodium acetate-acetic acid buffer solutions of different pH. (b). Preparation of Ammonium chloride-ammonium hydroxide buffer solutions of different pH. (c). pH metric titration of strong acid/strong base. (d). pH metric titration of weak acid/strong base.	A. K. Nad, B. Mahapatra and A. Ghoshal, An Advanced Course in Practical Chemistry.	-do-	-do-

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Head
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B. Sc First Semester (General) Programme as per CBCS Syllabus

Course No. CHM-DSC/GE-101T, **Course Name:** Atomic Structure, Bonding, General Organic Chemistry
and Aliphatic Hydrocarbons

Contact Hours; 60, **Credit:** 04, **Full Marks** = 70, **Pass Marks** = 28

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	Section A: Inorganic Chemistry Atomic Structure	J. D. Lee: A new Concise Inorganic Chemistry. F. A. Cotton & G. Wilkinson: Basic Inorganic Chemistry:	Lecture, Tutorial Seminar & Assignment	Dilip Chorei
2	Chemical Bonding and Molecular Structure	-do-	-do-	-do-
3	Section B: Organic Chemistry Fundamentals of Organic Chemistry	Peter Sykes: A Guide book to Mechanism in Organic Chemistry.	-do-	-do-
4	Aliphatic Hydrocarbons	R. T. Morrison & R. N. Boyd: Organic Chemistry.	-do-	-do-
5	Aromatic Hydrocarbons	-do-	-do-	-do-

Continuous and Comprehensive Assessment (CCA): As per the guidelines of the university, internal assessment will be done by taking two-unit tests of 14 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two-unit tests will be counted in the university conducted end semester examinations.

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Principal
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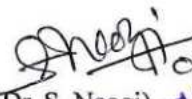
[Signature] 01/08/19
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Haflong

Course No. CHM-DSC/GE-102L, Course Name: Practical
Contact Hours: 60, Credit: 02, Full Marks = 30, Pass Marks = 12

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	Section A: Inorganic (i). Estimation of Fe (II) ions by titrating it with $K_2Cr_2O_7$ using internal indicator. (ii). Estimation of Oxalic acid by titrating it with $KMnO_4$. (iii). Estimation of water of Crystallization in Mohr's salt by titrating with $KMnO_4$. (iv). Estimation of Cu (II) ions odometrically using $Na_2S_2O_3$.	A. I. Vogel, Vogel's Qualitative Inorganic Analysis. A. I. Vogel, Vogel's Quantitative Chemical Analysis.	Laboratory work & Assignment	Dewali Chakraborty
2	Section B: Organic (i). Detection of characterized element (N, S, Cl, Br, I) in the given organic compound. (ii). Separation of mixtures by Chromatography: Measure the R_f value in each case (Combination of two compounds to be given) (a). Identify and separate the components of a given mixture of 2-amino acids (glycine, aspartic acid, glutamic acid, tyrosine or any other amino acid) by paper chromatography. (b). Identify and separate the sugars present in the given mixture by paper chromatography.	A. I. Vogel's, Textbook of Practical Organic Chemistry	-do-	-do-

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B. Sc Third Semester Honours Programme under CBCS Syllabus

Course No. CHM-HCC-301T, **Course Name:** Inorganic Chemistry-II (S-, P- block Elements and Metallurgy)

Contact Hours: 60, **Credit:** 04, **Full Marks** = 70, **Pass Marks** = 28

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	Chemistry of S- and P- Block Elements	J. D. Lee, Concise Inorganic Chemistry.	Lecture, Tutorial Seminar & Assignment	Sankar Neogi
2	Noble Gases	F. A. Cotton, & G. Wilkinson, Advanced Inorganic Chemistry.	-do-	-do-
3	Acids and Bases	Shriver & Atkins, Inorganic Chemistry.	-do-	Kazi Kawsar Ahmed
4	Inorganic Polymers	G. L. Miessler, & A. Tarr. Donald, Inorganic Chemistry.	-do-	-do-
5	General Principles of Metallurgy	-do-	-do-	-do-

Continuous and Comprehensive Assessment (CCA): As per the guidelines of the university, internal assessment will be done by taking two-unit tests of 14 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two-unit tests will be counted in the university conducted end semester examinations.

ATTESTED
Kharses
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S. Neogi 01/08/19
(Dr. S. Neogi)
Head
Department of Chemistry
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Course No. CHM-HCC-302T, **Course Name:** Organic Chemistry-II (Halogen and Oxygen Containing Functional Groups)


Contact Hours: 60, **Credit:** 04, **Full Marks** = 70, **Pass Marks** = 28

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	Chemistry of Halogenated Hydrocarbons	R. T. Morrison & R. N. Boyd, Organic Chemistry.	Lecture, Tutorial Seminar & Assignment	Uttam Kumar Paul
2	Alcohols, Phenols, Ethers and Epoxides	I. L. Finar, Organic Chemistry (Volume 1).	-do-	-do-
3	Carbonyl Compounds	T. W. Graham Solomons, Organic Chemistry.	-do-	-do-
4	Carboxylic Acids and their Derivatives	-do-	-do-	-do-
5	Other Organic compounds	-do-	-do-	-do-

Continuous and Comprehensive Assessment (CCA): As per the guidelines of the university, internal assessment will be done by taking two-unit tests of 14 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two-unit tests will be counted in the university conducted end semester examinations.

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Course No. CHM-HCC-303T, **Course Name:** Physical Chemistry -III (Phase Equilibria and Chemical Kinetics)


Contact Hours: 60, **Credit:** 04, **Full Marks** = 70, **Pass Marks** = 28

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	Phase Equilibria I	A. S. Negi and S. C Anand, New Age International.	Lecture, Tutorial Seminar & Assignment	Kazi Kawsar Ahmed
2	Phase Equilibria II	-do-	-do-	-do-
3	Chemical Kinetics	K. J. Laidler, Chemical Kinetics.	-do-	Uttam Kumar Paul
4	Catalysis	Peter Atkins & Julio De Paula, Physical Chemistry.	-do-	-do-
5	Surface chemistry	-do-	-do-	-do-

Continuous and Comprehensive Assessment (CCA): As per the guidelines of the university, internal assessment will be done by taking two-unit tests of 14 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two-unit tests will be counted in the university conducted end semester examinations.

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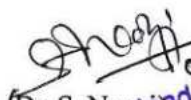
Course No. CHM-HCC-304L, Course Name: Inorganic Chemistry – II (Practical)

Contact Hours: 60, Credit: 04, Full Marks = 70, Pass Marks = 28

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1. Part I	Iodo-/Iodimetric Titrations (i). Estimation of Cu (II) and $K_2Cr_2O_7$ using sodium thiosulphate solution (Iodimetrically). (ii). Estimation of (i) arsenite and (ii) antimony iodimetrically. (iii). Estimation of available chlorine in bleaching powder iodometrically.	A. I. Vogel, A Textbook of Quantitative Inorganic Analysis	Laboratory work & Assignment	Sankar Neogi
2. Part II	Inorganic preparations (i). Cuprous Chloride, Cu_2Cl_2 . (ii). Preparation of Manganese (III) phosphate, $MnPO_4 \cdot H_2O$. (iii). Preparation of Aluminium potassium sulphate $KAl(SO_4)_2 \cdot 12H_2O$ (Potash alum) or Chrome alum. (iv). Preparation of Chrome alum.	-do-	-do-	-do-

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Course No. CHM-HCC-305L, Course Name: Organic Chemistry – II (Practical)

Contact Hours: 60, Credit: 02, Full Marks = 30, Pass Marks = 12

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1. Part I	Test for functional groups Alcohols, Phenols, Carbonyls and carboxylic acid	V. K. Ahluwalia & S. Dhingra, Comprehensive Practical Organic Chemistry: Qualitative Analysis.	Laboratory work & Assignment	Dilip Chorei
2.	Organic preparations: (i). Acetylation of one of the following compounds: amines (aniline, o-, m-, p-toluidines and o-, m-, p-anisidine) and phenols (β -naphthol, vanillin) by conventional/green approach method. (ii). Benzoylation of one of the following amines (aniline, o-, m-, p- toluidines and o-, m-, p-anisidine) and one of the following phenols (β -naphthol, resorcinol, p-cresol) by Schotten-Baumann reaction. (iii). Nitration of Acetanilide/nitrobenzene by conventional method. (iv). Nitration of Salicylic acid (preferably by green approach using ceric ammonium nitrate).	-do-	-do-	-do-

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Course No. CHM-HCC-306L, Course Name: Physical Chemistry -III (Practical)

Contact Hours: 60, Credit: 02, Full Marks = 30, Pass Marks = 12

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1. Part-I	Study of the equilibrium of the following reactions by the distribution method: (i). $I_2(aq) + I^- = I_3^-(aq)$ (ii). $Cu^{2+}(aq) + nNH_3 = Cu(NH_3)_n$	J. B. Jadav, Advance Physical Practical Chemistry.	Laboratory work & Assignment	Dewali Chakraborty
2. Part-II	Study the kinetics of the following reactions (<i>any one</i>) (a). Initial rate method: Iodide-persulphate reaction. (b). Integrated rate method: Acid hydrolysis of methyl acetate with hydrochloric acid. (c). Integrated rate method: Saponification of ethyl acetate. (d). Comparison the strengths of HCl and H_2SO_4 by studying kinetics of hydrolysis of methyl acetate. (e). Adsorption: Verification of the Freundlich isotherms for adsorption of oxalic acid /acetic acid on activated charcoal.	B. D. Khosla, V. C. Garg & A. Gulati, Senior Practical Physical Chemistry.	-do-	-do-

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Course No. CHM-SEC-301T (Honours and Generals), Course Name: Analytical Clinical

Biochemistry, Contact Hours: 60, Credit: 02, Full Marks = 30, Pass Marks = 12

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	Carbohydrates	T. G. Cooper: Tool of Biochemistry.	Laboratory work & Assignment	Dewali Chakraborty
2	Proteins and Enzymes	Keith Wilson and John Walker: Practical Biochemistry	-do-	-do-
3	Lipids and Hormones	A. L. Lehninger: Biochemistry.	-do-	-do-
4	Blood and Urine:	G. P. Talwar and M Srivastava: Textbook of Biochemistry and Human Biology	-do-	-do-
5	Biochemistry of disease	-do-	-do-	-do-

Continuous and Comprehensive Assessment (CCA): As per the guidelines of the university, internal assessment will be done by taking two-unit tests of 14 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two-unit tests will be counted in the university conducted end semester examinations.

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B. Sc Third Semester (General) Programme under CBCS Syllabus

Course No. CHM-DSC/GE-301T, **Course Name:** Organic Chemistry-II (Solutions, Phase Equilibrium, Conductance, Electrochemistry and Functional Group)

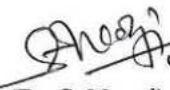
Contact Hours; 60, **Credit:** 04, **Full Marks** = 70, **Pass Marks** = 28

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	Section A: Physical Chemistry Solutions and Phase Equilibrium	G. M. Barrow: Physical Chemistry.	Lecture, Tutorial Seminar & Assignment	Dilip Chorei
2	Conductance and Electrochemistry	G. W. Castellan: Physical Chemistry.	-do-	-do-
3	Section B: Organic Chemistry Carbonyls (aliphatic and aromatic) and Carboxylic acids	R. T. Morrison & R. N. Boyd, Organic Chemistry.	-do-	-do-
4	Amines	I. L. Finar, Organic Chemistry (Volume 1)	-do-	-do-
5	Carbohydrates, Amino Acids, Peptides and Proteins	I. L. Finar, Organic Chemistry (Volume 2)	-do-	-do-

Continuous and Comprehensive Assessment (CCA): As per the guidelines of the university, internal assessment will be done by taking two-unit tests of 14 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two-unit tests will be counted in the university conducted end semester examinations.

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Course No. CHM-DSC/GE-302L, Course Name: Practical
Contact Hours: 60, Credit: 02, Full Marks = 30, Pass Marks = 12

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	Section A: Physical Chemistry: (I). Phase Equilibria: (i). Construction of the phase diagram of a binary system (simple eutectic) using cooling curves. (ii). Determination of the critical solution temperature and composition of the phenol water system and study of the effect of impurities on it. (iii). Study of the variation of mutual solubility temperature with concentration for the phenol water system and determination of the critical solubility temperature.	A. I. Vogel: Textbook of Practical Organic Chemistry. V. K. Ahluwalia & R. Aggarwal, Comprehensive Practical Organic Chemistry.	Laboratory work & Assignment	Kazi Kawsar Ahmed
	(II). Conductance: (i). Determination of cell constant. (ii). Perform the following conductometric titrations: (a). Strong acid vs. strong base. (b). Weak acid vs. strong base.	-do-	-do-	-do-
2	Section B: Organic Chemistry: Systematic Qualitative Organic Analysis of Organic Compounds possessing mono-functional groups (-COOH, phenolic, aldehydic, ketonic, amide, nitro, amines) and preparation of one derivative.	-do-	-do-	Dewali Chakraborty

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FIFTH SEMESTER (HONOURS FOR NON CBCS) :: COURSE NO :: CHMH-501 :: PAPER NAME :: INORGANIC CHEMISTRY

Contact Hours: 60, Full Marks = 35, Pass Marks = 12

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
I	Crystal structure & Structure of Ionic Solids	B. K. Sharma, Analytical Chemistry. G. D. Tuli, S. K. Basu & R. D. Madan, Advanced Inorganic Chemistry. Puri, Sharma and Kalia, Principles of Inorganic Chemistry. U. N. Dash, Analytical Chemistry Theory and Practice.	Lecture, Tutorial Seminar & Assignment	Dilip Chorei
II	Methods of analysis	-do-	-do-	-do-
III	Statistical analysis of experimental data	-do-	-do-	-do-
IV	Instrumental methods of analysis	-do-	-do-	Sankar Neogi
V	Reaction Mechanism	-do-	-do-	-do-

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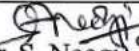
FIFTH SEMESTER (HONOURS) :: COURSE NO :: CHMH-502 :: PAPER NAME :: ORGANIC CHEMISTRY

Contact Hours: 60, Full Marks = 35, Pass Marks = 12

Unit No.	Topics	Text Books	Mode of Teaching	Teacher
I	Introduction to organic synthesis	S. N. Sanyal, Reactions, Rearrangements and Reagents. V. P. Sharma & R. Kumar, Pericyclic Reactions and Organic Photochemistry. S. M. Mukherji & S. P. Singh, Reaction Mechanism in Organic Chemistry. K. S. Mukherjee, B. Mukhopadhyay, Organic Spectroscopy through solved problems.	Lecture, Tutorial Seminar & Assignment	Dewali Chakraborty
II	Heterocyclic compounds	-do-	-do-	-do-
III	Ultra violet and visible spectroscopy, Infrared Spectroscopy & Mass Spectroscopy	-do-	-do-	-do-
IV	Organic photochemistry	-do-	-do-	Dilip Chorei
V	Topics in Biological Chemistry, Purines, pyrimidines and nucleic acids, Steroids and hormones	-do-	-do-	-do-

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FIFTH SEMESTER (HONOURS) :: COURSE NO :: CHMH-503 :: PAPER NAME :: PHYSICAL CHEMISTRY

Contact Hours: 60, Full Marks = 35, Pass Marks = 12

Unit No.	Topics	Text Books	Mode of Teaching	Teacher
I	Third law of thermodynamics	P. W. Atkins & J. Paula, de Atkin's Physical Chemistry. Puri, Sharma & Pathania Principles of Physical Chemistry. Gordon M Barrow, Physical Chemistry. Pahari & Pahari, Problems on Physical Chemistry.	Lecture, Tutorial Seminar & Assignment	Kazi Kawsar Ahmed
II	Photochemistry	-do-	-do-	-do-
III	Spectroscopy	-do-	-do-	-do-
IV	Molecular spectroscopy	-do-	-do-	Uttam Kumar Paul
V	Advanced Materials, Conducting Polymer & Micelles.	-do-	-do-	-do-

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FIFTH SEMESTER (GENERAL FOR NON CBCS): COURSE NO :: **CHMP-501** :: PAPER NAME :: **CHEMISTRY**

Contact Hours: 60, Full Marks = 35, Pass Marks = 12

Group	Unit No.	Topics	Text Books	Mode of Teaching	Teacher
A (INORGANIC)	I	Theories of chemical bonding & Ionic bond	R. D. Madan, Satya Prakash's Modern Inorganic Chemistry. W. U. Malik, G. D. Tuli & R. D. Madan, Selected Topics in Inorganic Chemistry. Puri, Sharma and Kalia, Principles of Inorganic Chemistry.	Lecture, Tutorial Seminar & Assignment	Sankar Neogi
	II	Molecular orbital theory	-do-	-do-	
	III	Weak Interactions & Crystal structure	-do-	-do-	Dilip Chorei
	IV	Quantitative inorganic analysis	-do-	-do-	
B (ORGANIC)	I	Introduction to organic synthesis	Arun Bahl & B. S. Bahl, A Textbook of Organic Chemistry. Arun Bahl & B. S. Bahl, Advanced Organic Chemistry. P. S. Kalsi, Stereochemistry Conformation and Mechanism.	-do-	Dewali Chakraborty
	II	Heterocyclic compounds	-do-	-do-	


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C (PHYSICAL)	III	Six-membered and condensed five-and six-membered heterocycles	-do-	-do-	
	IV	Basic concepts and applications of spectroscopy to organic chemistry	-do-	-do-	Kazi Kawsar Ahmed
	I	Electrochemistry I	Puri, Sharma & Pathania, Principles of Physical Chemistry.	-do-	-do-
	II	Electrochemistry II	-do-	-do-	Uttam Kumar Paul
	III	Photochemistry I	-do-	-do-	-do-
	IV	Physisorption and Chemisorption & Colloidal State	-do-	-do-	Kazi Kawsar Ahmed

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Even Semester from January 2020 to June 2020

Plan for Implementation of B. Sc (Chemistry) Honours and B. Sc (Chemistry) General CBCS Programme

B. Sc Second Semester Honours Programme as per CBCS Syllabus

Course No. CHM-HCC-201T, **Course Name:** Organic Chemistry-1 (Hydrocarbons and Stereochemistry)

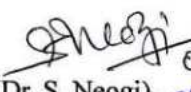
Contact Hours: 60, **Credit:** 04, **Full Marks** = 70, **Pass Marks** = 28

Unit No.	Topics	Text Books	Mode of Teaching (Offline & Online)	Faculty
1	Basics of Organic Chemistry	R. N. Morrison & R. N. Boyd, Organic Chemistry.	Lecture, Tutorial Seminar & Assignment	Dewali Chakraborty
2	Chemistry of Aliphatic Hydrocarbons	-do-	-do-	-do-
3	Aromatic and Polynuclear Hydrocarbons	-do-	-do-	-do-
4	Stereochemistry	E. L. Eliel & S. H. Wilen, Stereochemistry of Organic Compounds.	-do-	Sankar Neogi
5	Cycloalkanes and Conformational Analysis	P. S. Kalsi, Stereochemistry Conformation and Mechanism.	-do-	-do-

Continuous and Comprehensive Assessment (CCA): As per the guidelines of the university, internal assessment will be done by taking two-unit tests of 14 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two-unit tests will be counted in the university conducted end semester examinations.

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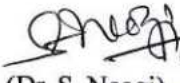
Course No. CHM-HCC-203L, Course Name: Organic Chemistry-1 (Practical)

Contact Hours: 60, Credit: 02, Full Marks = 70, Pass Marks = 28

Unit No.	Topics	Text Books	Mode of Teaching (Offline & Online)	Faculty
1. Part I	(a). Phthalic acid/Benzoic acid from hot water (using fluted filter paper and stemless funnel) (b). Acetanilide from boiling water. (c). Naphthalene/m-Dinitrobenzene from ethanol. (d). Naphthalene/camphor/phthalic acid (by sublimation)	A. I. Vogel, A Textbook of Qualitative Organic Analysis.	Laboratory work & Assignment	Dewali Chakraborty
2. Part II	Chromatographic separation: (a). 2, 4-Dinitrophenyl hydrazones of any two carbonyl compounds (e.g., benzophenone and benzyl; p-nitro benzaldehyde and benzaldehyde) from their mixture and determination of R_f values (By Thin layer chromatography) (b). Paper chromatographic separation and determination of R_f values of mixture of any three amino acids from their mixture (alanine, glycine and leucine or any other set). Spray reagent: Ninhydrin.	F. G. Mann & B. C. Saunders, Practical Organic Chemistry.	-do-	-do-

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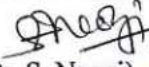
Course No. CHM-HCC-204L, **Course Name:** Physical Chemistry – II (Practical)

Contact Hours: 60, **Credit:** 02, **Full Marks** = 70, **Pass Marks** = 28

Unit No.	Topics	Text Books	Mode of Teaching (Offline & Online)	Faculty
1	Physical Experiments: (i). To determine the viscosity of glycerol/acetic acid solutions at different concentrations and construction of the graph. (ii). To determine the solubility of benzoic acid at different temperatures and to determine pH of the dissolution process. (iii). To determine the refractive index of a given liquid by Abbe refractometer and to find the specific and molar refraction. (iv). To determine the molecular mass by transition point method (Solvent: Naphthalene/m-dinitrobenzene and Solute: Glucose/Urea).	B. D. Khosla, V. C. Garg & A. Gulati, Senior Practical Physical Chemistry.	Laboratory work & Assignment	Kazi Kawsar Ahmed

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B. Sc Second Semester General Programme as per CBCS Syllabus

Course No. CHM-DSC/GEC-201T, **Course Name:** Chemical Energetics, Equilibria and


Functional Organic Chemistry, **Contact Hours:** 60, **Credit:** 04, **Full Marks** = 70, **Pass Marks** = 28

Unit No.	Topics	Text Books	Mode of Teaching (Online)	Faculty
1	Section A: Physical Chemistry Chemical Energetics	G. W. Castellan, Physical Chemistry.	Lecture, Tutorial Seminar & Assignment	Kazi Kawsar Ahmed
2	Equilibria	D. W. Ball, Physical Chemistry.	-do-	Uttam Kumar Paul
3	Section B: Organic Chemistry Alkyl and Aryl Halides	R. T. Morrison & R. N. Boyd: Organic Chemistry.	-do-	Dewali Chakraborty
4	Alcohols, Phenols and Ethers: (Up to 5 Carbons)	Arun Bahl and B. S. Bahl: Advanced Organic Chemistry.	-do-	Sankar Neogi
5	Stereochemistry & Carbohydrates	-do-	-do-	Dilip Chorei

Continuous and Comprehensive Assessment (CCA): As per the guidelines of the university, internal assessment will be done by taking two-unit tests of 14 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two-unit tests will be counted in the university conducted end semester examinations.

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Course No. CHM-DSC/GEC-202L, Course Name: Practical
 Contact Hours: 60, Credit: 02, Full Marks = 30, Pass Marks = 12

Unit No.	Topics	Text Books	Mode of Teaching (Offline & Online)	Faculty
1	<p>Section A: Physical Chemistry:</p> <p>(I). Thermochemistry</p> <p>(i). Determination of heat capacity of a calorimeter.</p> <p>(ii). Determination of enthalpy of neutralization of hydrochloric acid with sodium hydroxide.</p> <p>(iii). Determination of enthalpy of ionization of acetic acid.</p> <p>(iv). Determination of integral enthalpy of solution of salts (KNO_3, NH_4Cl).</p> <p>(v). Determination of enthalpy of hydration of copper sulphate.</p> <p>(vi). Study of the solubility of benzoic acid in water and determination of ΔH.</p> <p>(II). Ionic equilibria.</p> <p>(i). Measurement of pH of different solutions like aerated drinks, fruit juices, shampoos and soaps (use dilute solutions of soaps and shampoos to prevent damage to the glass electrode) using pH-meter (at least three different materials to be given to per student per experiment) and preparation of a comparative document.</p> <p>(ii). Preparation of Sodium acetate-acetic acid buffer solutions of different pH (the observed data to be compared with theoretical values).</p>	<p>B. D. Khosla, Senior Practical Physical Chemistry.</p> <p>A. I. Vogel: Textbook of Practical Organic Chemistry.</p> <p>F. G. Mann & B. C. Saunders, Practical Organic Chemistry.</p>	Laboratory work & Assignment	Dilip Chorei

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	(iii). Preparation of Ammonium chloride-ammonium hydroxide buffer solutions of different pH (the observed data to be compared with theoretical values)			
2	Section B: Organic Chemistry (i). Purification of organic compounds by crystallization (from water and alcohol) and distillation. (ii). Criteria of Purity: Determination of melting and boiling points. (iii). Organic Preparations: (a). Bromination of Phenol/Aniline. (b). Benzoylation of amines/phenols. (c). Oxime and 2, 4-dinitrophenylhydrazone of aldehyde/ketone	-do-		Dewali Chakraborty

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B. Sc Fourth Semester Honours Programme as per CBCS Syllabus

Course No. CHM-HCC-401T, **Course Name:** Inorganic Chemistry-III (Coordination Chemistry and its Applications)


Contact Hours: 60, **Credit:** 04, **Full Marks** = 70, **Pass Marks** = 28

Unit No.	Topics	Text Books	Mode of Teaching (Online)	Faculty
1	Coordination Chemistry I	J. E. Huheey, Inorganic Chemistry F. A. Cotton & G. Wilkinson, Advanced Inorganic Chemistry.	Lecture, Tutorial Seminar & Assignment	Sankar Neogi
2	Coordination Chemistry II	-do-	-do-	-do-
3	Transition Elements	-do-	-do-	-do-
4	Lanthanoids and Actinoids	-do-	-do-	-do-
5	Bioinorganic Chemistry	-do-	-do-	-do-

Continuous and Comprehensive Assessment (CCA): As per the guidelines of the university, internal assessment will be done by taking two-unit tests of 14 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two-unit tests will be counted in the university conducted end semester examinations.

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Course No. CHM-HCC-402T, **Course Name:** Organic Chemistry-III (Heterocyclic Chemistry)

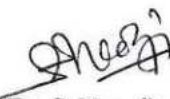
Contact Hours: 60, **Credit:** 04, **Full Marks** = 70, **Pass Marks** = 28

Unit No.	Topics	Text Books	Mode of Teaching (Online)	Faculty
1	Nitrogen Containing Functional Groups	R. T. Morrison & R. N. Boyd, Organic Chemistry. I. L. Finar, Organic Chemistry (Volume 1 & 2). J. Clayden, N. Greeves, S. Warren, P. Wothers, Organic Chemistry.	Lecture, Tutorial Seminar & Assignment	Dilip Chorei
2	Heterocyclic Compounds - I	-do-	-do-	-do-
3	Heterocyclic Compounds - II	-do-	-do-	-do-
4	Alkaloids	-do-	-do-	-do-
5	Terpenes	-do-	-do-	-do-

Continuous and Comprehensive Assessment (CCA): As per the guidelines of the university, internal assessment will be done by taking two-unit tests of 14 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two-unit tests will be counted in the university conducted end semester examinations.

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Course No. CHM-HCC-403T, **Course Name:** Physical Chemistry-IV (Electrochemistry)


Contact Hours: 60, **Credit:** 04, **Full Marks** = 70, **Pass Marks** = 28

Unit No.	Topics	Text Books	Mode of Teaching (Online)	Faculty
1	Conductance I	P. W Atkins & J. D. Paula, Physical Chemistry. G. W. Castellan, Physical Chemistry.	Lecture, Tutorial Seminar & Assignment	Uttam Kumar Paul
2	Conductance II	-do-	-do-	-do-
3	Electrochemistry I	do-	do-	do-
4	Electrochemistry II	do-	do-	do-
5	Electrical & Magnetic Properties of Atoms and Molecules	do-	do-	do-

Continuous and Comprehensive Assessment (CCA): As per the guidelines of the university, internal assessment will be done by taking two-unit tests of 14 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two-unit tests will be counted in the university conducted end semester examinations.

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Course No. CHM-HCC-404L, Course Name: Inorganic Chemistry-III (Practical)

Contact Hours: 60, Credit: 02, Full Marks = 30, Pass Marks = 12

Unit No.	Topics	Text Books	Mode of Teaching (Online)	Faculty
1. Part I	Gravimetric Analysis: (i). Estimation of nickel (II) using Dimethylglyoxime (DMG). (ii). Estimation of copper as CuSCN (iii). Estimation of iron as Fe ₂ O ₃ by precipitating iron as Fe(OH) ₃ .	A. I. Vogel, A Textbook of Quantitative Inorganic Analysis.	Laboratory work & Assignment	Kazi Kawsar Ahmed
2. Part II	Inorganic Preparations: (i). Tetraamminecopper (II) sulphate, [Cu(NH ₃) ₄]SO ₄ .H ₂ O (ii). Sodium trioxalatochromate (III). (iii). Tetraamminecarbonatocobalt (III) ion. (iv). Potassium tris(oxalate)ferrate (III)	-do-	-do-	-do-

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Course No. CHM-HCC-405L, **Course Name:** Inorganic Chemistry-III (Practical)

Contact Hours; 60, **Credit:** 02, **Full Marks** = 30, **Pass Marks** = 12

Unit No.	Topics	Text Books	Mode of Teaching (Offline & Online)	Faculty
1	Qualitative Organic analysis Detection of elements (N, S and halogens) and functional groups, determination of melting points and preparation of suitable derivatives to identify the given organic compounds (Preferable by capillary method)	V. K. Ahluwalia & R. Aggarwal, Comprehensive Practical Organic Chemistry: Preparation and Quantitative Analysis.	Laboratory work & Assignment	Dewali Chakraborty

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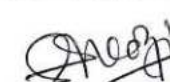
Course No. CHM-HCC-406L, Course Name: Physical Chemistry-III (Practical)

Contact Hours: 60, Credit: 02, Full Marks = 30, Pass Marks = 12

Unit No.	Topics	Text Books	Mode of Teaching (Offline & Online)	Faculty
1	Physical experiments: 1. pH metric titration of HCl against standard NaOH. 2. To determine the strength of the given acid conductometrically using standard alkali solution. 3. Determination of equivalent conductances of a strong electrolyte at various dilutions and verification of Onsagar equation. 4. Determination of equivalent conductance, degree of dissociation and dissociation constant of a weak acid. 5. Conductometric titration of a mixture of strong and weak acid vs strong base. 6. pH metric titration of a mixture of strong and weak acid vs strong base. 7. Potentiometric titration of ferrous ammonium sulphate against standard $K_2Cr_2O_7/KMnO_4$ and determination of redox potential of Fe (II)- Fe (III) system.	J. B. Jadav, Advance Physical Practical Chemistry. B. D. Khosla, V. C. Garg & A. Gulati, Senior Practical Physical Chemistry.	Laboratory work & Assignment	Dewali Chakraborty

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 (Dr. S. Neogi)
 Head
 Department of Chemistry
 Haflong Govt. College

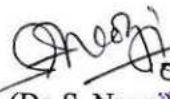
10/08/19
 Head Dept. of Chemistry
 Haflong Govt. College
 Haflong

Course No. CHM-SEC-401T, Course Name: Fuel Chemistry
Contact Hours: 60, Credit: 04, Full Marks = 50, Pass Marks = 20

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	Review of energy sources (renewable and non-renewable). Classification of fuels and their calorific value.	P. C. Jain, M. Jain: Engineering Chemistry.	Laboratory work & Assignment	Kazi Kawsar Ahmed
2	Coal: Uses of coal (fuel and nonfuel) in various industries, its composition, carbonization of coal. Coal gas, producer gas and water gas—composition and uses. Fractionation of coal tar, uses of coal tar bases chemicals.	E. Stocchi: Industrial Chemistry.	-do-	-do-
3	Petroleum and Petrochemical Industry: Composition of crude petroleum; Different types of petroleum products and their applications. Principle and process of fractional distillation, Cracking – Thermal and catalytic cracking; Qualitative treatment of non-petroleum fuels- LPG, CNG, LNG, bio-gas, fuels derived from biomass, fuel from waste; synthetic fuels - gaseous and liquids	P. C. Jain, M. Jain: Engineering Chemistry.	-do-	-do-
4	Petrochemicals: Vinyl acetate, Propylene oxide, Isoprene, Butadiene, Toluene and its derivatives Xylene.	-do-	-do-	-do-
5	Lubricants: Classification of lubricants, lubricating oils (conducting and non conducting), Solid and semisolid lubricants, synthetic lubricants. Properties of lubricants – viscosity index, cloud point, pore point.	-do-	-do-	-do-

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B. Sc Fourth Semester General Programme as per CBCS Syllabus

Course No. CHM-DSC/GE-401T, **Course Name:** Inorganic Chemistry – III (Coordination Chemistry and its Applications)


Contact Hours: 60, **Credit:** 04, **Full Marks** = 70, **Pass Marks** = 28

Unit No.	Topics	Text Books	Mode of Teaching (Online)	Faculty
1	Section A: Inorganic Chemistry Transition Series Elements (3d series)	J. E. Huheey, Inorganic Chemistry. F. A. Cotton & G. Wilkinson, Advanced Inorganic Chemistry.	Lecture, Tutorial Seminar & Assignment	Dewali Chakraborty
2	Coordination Chemistry	-do-	-do-	-do-
3	Section B: Physical Chemistry Gases	-do-	-do-	-do-
4	Liquids and Solids	-do-	-do-	-do-
5	Chemical Kinetics	-do-	-do-	-do-

Continuous and Comprehensive Assessment (CCA): As per the guidelines of the university, internal assessment will be done by taking two-unit tests of 14 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two-unit tests will be counted in the university conducted end semester examinations.

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SIXTH SEMESTER (HONOURS for Non CBCS) :: COURSE NO :: CHMH-601 :: PAPER NAME :: INORGANIC CHEMISTRY

Contact Hours: 60, Full Marks = 35, Pass Marks = 12

Unit No.	Topics	Text Books	Mode of Teaching (Online)	Faculty
I	Alloys and intermetallic compounds	Puri, Sharma and Kalia, Principles of Inorganic Chemistry. B. K. Sharma, Environmental Chemistry. M. S. Gopinathan & V. Ramakrishnan, Group Theory in Chemistry. James E. Huheey, Ellen A. Keiter, Richard L. Keiter and Okhil K. Inorganic Chemistry, Principles of Structure and Reactivity.	Lecture, Tutorial Seminar & Assignment	Dilip Chorei
II	Environmental Chemistry	-do-	-do-	-do-
III	Atomic absorption spectroscopy	-do-	-do-	Sankar Neogi
IV	Molecular symmetry	-do-	-do-	-do-
V	Bioinorganic Chemistry	-do-	-do-	-do-

ATTESTED

[Signature]
Principal
HAFLONG GOVT. COLLEGE
HAFLONG

[Signature] 07/08/19
(Dr. S. Neogi)
Head
Department of Chemistry
Haflong Govt. College


SIXTH SEMESTER (HONOURS) :: COURSE NO :: CHMH-602 :: PAPER NAME :: ORGANIC CHEMISTRY

Contact Hours: 60, Full Marks = 35, Pass Marks = 12

Unit No.	Topics	Text Books	Mode of Teaching (Online)	Teacher
I	Molecular rearrangement	S. N. Sanyal, Reactions, Rearrangements and Reagents. V. P. Sharma & R. Kumar, Pericyclic Reactions and Organic Photochemistry. S. M. Mukherji & S. P. Singh, Reaction Mechanism in Organic Chemistry. S. C. Sharma & Raj Kumar. Pharmaceutical Organic Chemistry.	Lecture, Tutorial Seminar & Assignment	Sankar Neogi
II	Organometallic compounds	-do-	-do-	-do-
III	Nuclear magnetic resonance spectroscopy	-do-	-do-	Dewali Chakraborty
IV	Pericyclic reactions, Electrocyclic reactions & Cycloaddition reaction	-do-	-do-	-do-
V	Pharmaceutical compounds	-do-	-do-	Kazi Kawsar Ahmed

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SIXTH SEMESTER (HONOURS) :: COURSE NO :: CHMH-603 :: PAPER NAME :: PHYSICAL CHEMISTRY

Contact Hours: 60, Full Marks = 35, Pass Marks = 12

Unit No.	Topics	Text Books	Mode of Teaching (Online)	Teacher
I	Chemical bonding	P. W. Atkins & J. Paula, de Atkin's Physical Chemistry. Ira N. Levine, Quantum Chemistry. R. K. Prasad, Quantum Chemistry. Donald A McQuarrie, Quantum Chemistry.	Lecture, Tutorial Seminar & Assignment	Uttam Kumar Paul
II	Elementary quantum mechanics-I	-do-	-do-	-do-
III	Elementary quantum mechanics-II	-do-	-do-	-do-
IV	Hybridisation and shapes of molecule	-do-	-do-	Kazi Kawsar Ahmed
V	Statistical thermodynamics	-do-	-do-	-do-

ATTESTED

Shaan
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Shaan 01/08/19
(Dr. S. Neogi)
Head
Dept. of Chemistry
Haflong Govt. College
Haflong


SIXTH SEMESTER (HONOURS) :: COURSE NO :: CHMH-604 :: COURSE NAME :: PRACTICAL

Contact Hours: 60, Full Marks = 90, Pass Marks = 30

Unit No.	Topics	Text Books	Mode of Teaching (Online)	Teacher
I	Organic Synthesis	Sudarsan Barua, A Text Book of Practical Chemistry. P. C. Kamboj, Systematic Practical Chemistry. Bidhan Chandra Ray & Satyanarayan Das, A Textbook on Chemistry Practical. Arthur I Vogel, Elementary Practical Organic Chemistry.	Practical & Assignment	Dilip Chorei
II	Organic quantitative analysis	-do-	-do-	-do-
III	Physical experiments	-do-	-do-	Uttam Kumar Paul
IV	Project work		Guidance	Sankar Neogi Dilip Chorei Kazi Kawsar Ahmed

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SIXTH SEMESTER (GENERAL FOR NON CBCS) :: COURSE NO :: **CHMP-601** :: PAPER NAME :: **CHEMISTRY**

Contact Hours: 60, Full Marks = 35, Pass Marks = 12

Group	Unit No.	Topics	Text Books	Mode of Teaching (Online)	Teacher
A (INORGANIC)	I	Electronegativity & Dipole moment	R. D. Madan, Satya Prakash's Modern Inorganic Chemistry. W. U. Malik, G. D. Tuli & R. D. Madan, Selected Topics in Inorganic Chemistry. Puri, Sharma and Kalia, Principles of Inorganic Chemistry.	Lecture, Tutorial Seminar & Assignment	Dilip Chorei
	IV	Extraction of metal	-do-	-do-	-do-
	II	VSEPR Theory	-do-	-do-	-do-
	III	Lattice energy	-do-	-do-	Sankar Neogi
B (ORGANIC)	I	Dyes	Arun Bahl & B. S. Bahl, A Textbook of Organic Chemistry. P. S. Kalsi, Stereochemistry Conformation and Mechanism. R. Balaji Rao, Advanced Organic Chemistry.	-do-	Dewali Chakraborty
	II	Molecular rearrangements	-do-	-do-	-do-
	III	Organometallic compounds & Active methylene compounds	-do-	-do-	-do-
	IV	NMR spectroscopy	-do-	-do-	Kazi Kawsar Ahmed
C (PHYSICAL)	I	Elementary quantum mechanics I	R. K. Prasad, Quantum Chemistry.	-do-	-do-
	II	Elementary quantum mechanics II	-do-	-do-	-do-

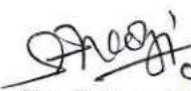
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	III	Spectroscopy	S. D. Bhattamisra & P. Gouda, Basic Principles of Spectroscopy.	-do-	
	IV	Vibrational spectra	Gurdeep R. Chatwal & Sham K. Anand, Spectroscopy (Atomic and Molecular)	-do-	Kazi Kawsar Ahmed

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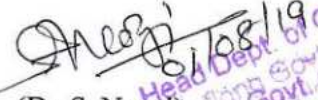
SIXTH SEMESTER (GENERAL) :: COURSE NO :: **CHMP-602** :: COURSE NAME :: **PRACTICAL**

Contact Hours: 60, Full Marks = 35, Pass Marks = 32

Unit No.	Topics	Text Books	Mode of Teaching	Teacher
I	Physical experiment	Sudarsan Barua, A Text Book of Practical Chemistry. P. C. Kamboj, Systematic Practical Chemistry.	Practical & Assignment	Sankar Neogi

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 (Dr. S. Neogi)
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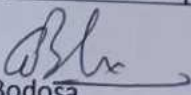
CURRICULUM PLANS OF THE DEPARTMENT OF MATHEMATICS

01. Curriculum Plan for the session 2019-20, TDC UG Mathematics (General)

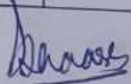
SL NO.	DISCIPLINE SPECIFIC CORE COURSES MATHEMATICS -DSC-101 TOPICS: Differential Calculus	TAUGHT BY
UNIT-I	Limit of a function, algebra of limits, related results and problems	Dr G Bodosa
UNIT-II	Continuity (ϵ and δ definition), related theorems and problems, types of discontinuities, differentiability of functions	
UNIT-III	Successive differentiation, Leibnitz's theorem, Partial differentiation, Euler's theorem on homogeneous functions	
UNIT-IV	Tangents and normals, curvature, asymptotes, singular points, tracing of curves, parametric representation of curves and tracing of parametric curves	Dr G Bodosa
UNIT-V	Rolle's theorem, Mean Value theorems, Taylor's theorem with Lagrange's and Cauchy's forms of remainder, Taylor's series, Maclaurin's series of $\sin x$, $\cos x$, e^x , $\log(1+x)$, $(1+x)^m$, Maxima and Minima Indeterminate forms	Dr G Bodosa

02. Curriculum Plan for the session 2019-20, TDC UG Mathematics (General)

SL NO.	DISCIPLINE SPECIFIC CORE COURSES MATHEMATICS -DSC-201 TOPICS: Differential Equations	TAUGHT BY
UNIT-I	First order exact differential equations, integrating factors, rules to find an integrating factor. First order higher degree equations solvable for x , y , p	Dr G Bodosa
UNIT-II	Methods for solving higher-order differential equations, basic theory of linear differential equations	
UNIT-III	Solving a differential equation by reducing its order linear homogenous equations with constant coefficients, linear non-homogenous equations, the method of variation of parameters	
UNIT-IV	The Cauchy-Euler equation, simultaneous differential equations, total differential equations	
UNIT-V	Order and degree of partial differential equations, concept of linear and non-linear partial differential equations, formation of first order partial differential equations,	Dr G Bodosa


Dr. G. Bodosa

Associate Professor
Department of Mathematics


Principal (i/c)

Haflong Govt. College
Dima Hasao: Assam

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03. Curriculum Plan for the session 2019-20, TDC UG Mathematics (General)

SL NO.	DISCIPLINE SPECIFIC CORE COURSES MATHEMATICS -DSC-301 TOPICS: Real Analysis	TAUGHT BY
UNIT-I	Finite and infinite sets, examples of countable and uncountable sets, real line, bounded sets, suprema and infima.	Dr G Bodosa
UNIT-II	Intervals, open and closed subsets of \mathbb{R} , their properties, nested interval theorem, concept of cluster points and Bolzano-Weierstrass theorem	
UNIT-III	Real Sequence, bounded sequence, Cauchy convergence criterion for sequences. Cauchy's theorem on limits, order preservation and squeeze theorem, monotone sequences and their convergence	
UNIT-IV	Infinite series. Cauchy convergence criterion for series, geometric series, comparison test, convergence of p-series, root test, ratio test, alternating series, Leibnitz's test definition and examples of absolute and conditional convergence.	
UNIT-V	Sequential criterion of limit and continuity and the equivalence of sequential criterion with epsilon-delta definition, properties of continuous functions	Dr G Bodosa

04. Curriculum Plan for the session 2019-20, TDC UG Mathematics (General)

SL NO.	DISCIPLINE SPECIFIC CORE COURSES MATHEMATICS -DSC-401 TOPICS: Abstract Algebra	TAUGHT BY
UNIT-I	Definition and examples of groups, examples of abelian and non-abelian groups, the group \mathbb{Z}_n of integers under addition modulo n and the group $U(n)$ of units under multiplication modulo n , Cyclic groups from number systems, complex roots of unity, circle group, the general linear group $GL(n, \mathbb{R})$	Dr G Bodosa
UNIT-II	Subgroups, cyclic subgroups, the concept of a subgroup generated by a subset and the commutator subgroup of group, examples of subgroups including the center of a group, cosets,	
UNIT-III	Normal subgroups: their definition examples, and characterizations, Quotient groups, group homomorphism: definition, example and related problems	Dr G Bodosa
UNIT-IV	Definition and examples of rings, examples of commutative and non-commutative rings: rings from number systems, polynomial rings, and rings of continuous functions.	Dr G Bodosa
UNIT-V	Integral domains, division ring, and fields, examples of fields: \mathbb{Z}_p , \mathbb{Q} , \mathbb{R} , and \mathbb{C} , Subrings and ideals, prime, principal and maximal ideal	

Dr. G. Bodosa
Associate Professor
Department of Mathematics

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Dima Hasao: Assam

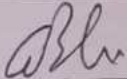
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05. Curriculum Plan for the session 2019-20, TDC UG Mathematics (General)

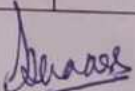
SL NO.	DISCIPLINE SPECIFIC CORE COURSES MATHEMATICS -DSE-501 TOPICS: Abstract Algebra	TAUGHT BY
UNIT-I	Vector spaces, subspaces, algebra of subspaces, quotient spaces, linear combination of vectors, linear span, linear independence, basis and dimension, dimension of subspaces	Dr G Bodosa
UNIT-II	Linear transformations, null space, range, rank and nullity of a linear transformation, matrix representation of a linear transformation,	
UNIT-III	Algebra of linear transformations, invertibility and isomorphisms, change of coordinate matrix	
UNIT-IV	Eigen space of a linear operator, diagonalisability, invariant subspaces and Cayley-Hamilton theorem, the minimal polynomial for a linear operator	
UNIT-V	Inner product spaces and norms, Gram Schimdtorthogonalisation process, orthogonalcomplements, Bessel's inequality, the adjoint of a linear operator, least square approximation	

06. Curriculum Plan for the session 2019-20, TDC UG Mathematics (General)

SL NO.	DISCIPLINE SPECIFIC CORE COURSES MATHEMATICS -DSC-601 TOPICS: Complex Analysis	TAUGHT BY
UNIT-I	Limits, limits involving the point at infinity, continuity, properties of complex numbers, regions in the complex plane, functions of complex variable, mappings	Dr G Bodosa
UNIT-II	Derivatives, differentiation formulas, Cauchy-Riemann equations, sufficient conditions for differentiability. Analytic functions, examples of analytic functions, exponential function, Logarithmic function, trigonometric function	
UNIT-III	Definite integrals of functions, Contours, Contour integrals and its examples, upper bounds for moduli of contour integrals. Cauchy Goursat theorem, Cauchy integral formula	
UNIT-IV	Liouville's theorem and the fundamental theorem of algebra, convergence of sequences and series, Taylor series and its examples	
UNIT-V	Laurent series and its examples, absolute and uniform convergence of power series	


Dr. G. Bodosa

Associate Professor
Department of Mathematics


Principal (i/c)

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Dima Hasao: Assam

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CURRICULUM IMPLEMENTATION for PHYSICS DEPARTMENT, 2019-2020

A single teacher (called course coordinator) is assigned the responsibility of teaching the contents of the whole course. The entire syllabus is evenly distributed among the teachers of the Department. Personal preference and teaching experience are the factors that were taken into consideration while distributing the syllabus among the teachers. The number of classes per week is equal to the credits assigned to the course. The course coordinator also took the responsibility of conducting the internal assessment exams of their respective courses. The internal assessment marks and student's attendance were then forwarded and finally uploaded in the University website. During the COVID-19 lockdown online classes were taken by the course coordinator using WhatsApp.

The TDC (CBCS) Physics syllabus can be viewed and downloaded from the link given below.

<http://www.aus.ac.in/physics-department/syllabus/>

The syllabus distribution for TDC (CBCS) Honours is given below.

SEMESTER	COURSE NO.	COURSE NAME	TEACHER	CREDITS
I	PHSHCC101T	Mathematical Physics-I	Chinmoy Phookan	4
	PHSHCC101P	Mathematical Physics-I Lab	Anjana Devi	2
	PHSHCC102T	Mechanics	Basanta Pathak	4
	PHSHCC102P	Mechanics Lab	Basanta Pathak	2
II	PHSHCC201T	Electricity and Magnetism	Anjana Devi	4
	PHSHCC201P	Electricity and Magnetism Lab	Anjana Devi	2
	PHSHCC202T	Waves and Optics	David Pegu	4
	PHSHCC202P	Waves and Optics Lab	David Pegu	2
III	PHSHCC301T	Mathematical Physics-II	CP / AD	4
	PHSHCC301P	Mathematical Physics-II Lab	Chinmoy Phookan	2
	PHSHCC302T	Thermal Physics	Basanta Pathak	4
	PHSHCC302P	Thermal Physics Lab	David Pegu	2
	PHSHCC303T	Digital Systems and Applications	Anjana Devi	4
	PHSHCC303P	Digital Systems & Applications Lab	Chinmoy Phookan	2
	PHSSEC301T	Workshop skill	Basanta Pathak	4
IV	PHSHCC401T	Mathematical Physics III	Chinmoy Phookan	4
	PHSHCC401P	Mathematical Physics-III Lab	Chinmoy Phookan	2
	PHSHCC402T	Elements of Modern Physics	David Pegu	4
	PHSHCC402P	Elements of Modern Physics Lab	Basanta Pathak	2
	PHSHCC403T	Analog Systems and Applications	BP / DP	4
	PHSHCC403P	Analog Systems & Applications Lab	Anjana Devi	2
	PHSSEC401T	Electrical Circuit and Network	Anjana Devi	4
V	PHSHCC501T	Quantum Mechanics & Applications	Anjana Devi	4
	PHSHCC501P	Quantum Mechanics Lab	Anjana Devi	2
	PHSHCC502T	Solid State Physics	David Pegu	4
	PHSHCC502P	Solid State Physics Lab	Chinmoy Phookan	2
	PHSDSE501T	A. Classical Dynamics B. Biological Physics	Basanta Pathak	6

CURRICULUM IMPLEMENTATION for PHYSICS DEPARTMENT, 2019-2020

	PHSDSE502	A. Nuclear and Particle Physics B. Advanced Mathematical Physics	Chinmoy Phookan	6
VI	PHSHCC601T	Electro-magnetic Theory	Anjana Devi	4
	PHSHCC601P	Electro-magnetic Theory Lab	Chinmoy Phookan	2
	PHSHCC602T	Statistical Mechanics	Basanta Pathak	4
	PHSHCC602P	Statistical Mechanics Lab	Chinmoy Phookan	2
	PHSDSE601T	A. Astronomy and Astrophysics B. Nano-materials and applications	David Pegu	6
	PHSDSE602T	A. Dissertation B. Physics of Devices and Communication	Chinmoy Phookan	6

The syllabus distribution for TDC (CBCS) Pass is given below.

SEMESTER	COURSE NO.	COURSE NAME	TEACHER	CREDITS
I	PHSDSC101T	Mechanics	Chinmoy Phookan	4
	PHSDSC101P	Mechanics Lab	Basanta Pathak	2
II	PHSDSC201T	Electricity, Magnetism and EMT	Basanta Pathak	4
	PHSDSC201P	Electricity, Magnetism and EMT Lab	Basanta Pathak	2
III	PHSDSC301T	Thermal Physics and Statistical Mechanics	Anjana Devi	4
	PHSDSC301P	Thermal Physics and Statistical Mechanics Lab	David Pegu	2
	PHSSEC301T	Physics workshop skill	Basanta Pathak	4
IV	PHSDSC401T	Waves and Optics	David Pegu	4
	PHSDSC401P	Waves and Optics Lab	David Pegu	2
	PHSSEC401T	Electrical Circuits and Network Skills	Anjana Devi	4
V	PHSSEC501T	Basic Instrumentation Skills	David Pegu	4
	PHSDSE501T	A. Classical Dynamics B. Biological Physics	Basanta Pathak	6
VI	PHSSEC601T	Renewable Energy and Energy Harvesting	Chinmoy Phookan	4
	PHSDSE601T	A. Astronomy and Astrophysics B. Nano-materials and Applications	David Pegu	6

ATTESTED

[Signature]
Principal
Haflong, Govt. Coll.
Haflong

[Signature]
15/7/19
Dr. Chinmoy K. Phookan
Head, Dept. of Physics

Department of Zoology :: Haflong Government College Plan for Curriculum Implementation

ACADEMIC SESSION 2019-20

**Prepared by
Curriculum Implementation Committee
Department of Zoology
Haflong Government College**

**Department of Zoology:: Haflong Government College
Plan for Curriculum Implementation**

The Department of Zoology of Haflong Government College has made the following plan for implementation of the Curriculum designed by the affiliating Assam University for the Session 2019-2020. Assam University has introduced the TDC CBCS programme for B.Sc. General as well as B.Sc. Honours programme in Zoology from the session 2018-19. The Department of Zoology has planned to implements the B.Sc. Honours Programme as well as the B.Sc. General Programme in the Choice Based Credit System from the session 2018-19 for students enrolled TDC 1st Semester. The earlier programmes of TDC Zoology Honours and Zoology Pass Course of B.Sc. Pass Programme designed by Assam University will also continue for TDC 5th and 6th Semesters in the session 2019-20. The following is the outline plan for implementation of the curriculum for the academic session 2019-2020.

ODD SEMESTERS from August 2019 to December 2019

Plan for Implementation of B.Sc. (Zoology) Honours and B.Sc. (Zoology) General CBCS Programme

**B.Sc. First SEMESTER Honours Programme
DISCIPLINE SPECIFIC CORE COURSES**

Course Code: ZOOHCC-101 T

Credits= 04; Full Marks: Theory= 50, Internal= 20 (Theory= 14, Attendance= 06)

Name of Course:: Non-chordates I: Protozoa and Metazoa (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Protozoa and Metazoa: 1. General characteristics and Classification up to classes 2. Study of <i>Euglena</i> , <i>Amoeba</i> and <i>Paramecium</i> (structure and nutrition) 3. Life cycle and pathogenicity of <i>Plasmodium vivax</i> and <i>Entamoeba histolytica</i> 4. Locomotion and Reproduction in Protozoa 5. Body symmetry and segmentation of Metazoa	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
II	Porifera: 1. General characteristics and Classification up to classes 2. Histology of <i>Sycon</i> , Life history of <i>Sycon</i> 3. Canal system and spicules in sponges	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Total Teaching Hours:12

III	Cnidaria and Ctenophora: 1. General characteristics and Classification of Cnidaria up to classes 2. Life cycle of <i>Obelia</i> 3. Polymorphism in <i>Siphonophora</i> 4. Corals and coral reefs formation 5. General characteristics and affinities of Ctenophora	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
IV	Platyhelminthes: 1. General characteristics and classification up to classes 2. Life cycle and pathogenicity of <i>Fasciola hepatica</i> and <i>Taenia solium</i> 3. Parasitic adaptations in Platyhelminthes	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
V	Nemathelminthes (Pseudocoelomates): 1. General characteristics and Classification of Nemathelminthes up to classes 2. Life cycle, and pathogenicity of <i>Ascaris lumbricoides</i> and <i>Wuchereria bancrofti</i> 3. General characteristics and significance of rotifers	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Total Teaching Hours:12

Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks (Theory=14, Attendance=06) for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

Course Code: ZOOHCC-103 P

Credits= 02; Full Marks= 30 (Practical)

Name of Course:: Non-chordates I: Protozoa and Metazoa (Practical)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Study of whole mount of <i>Euglena</i> , <i>Amoeba</i> and <i>Paramecium</i> , Binary fission and Conjugation in <i>Paramecium</i>	Mr. Bubul Das	Lecture, Practical Total Hours: 5
2	Examination of pond water collected from different places for diversity in Protista	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
3	Study of Sycon (L.S.), <i>Hyalonema</i> , <i>Euplectella</i> , <i>Spongilla</i>	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5
4	Museum specimen for identification – <i>Obelia</i> , <i>Physalia</i> , <i>Millepora</i> , <i>Aurelia</i> , <i>Tubipora</i> , <i>Corallium</i> , <i>Alcyonium</i> , <i>Gorgonia</i> , <i>Metridium</i> , <i>Pennatula</i> , <i>Fungia</i> , <i>Meandrina</i> , <i>Madrepora</i> , <i>Fasciola hepatica</i> , <i>Taenia solium</i>	Mrs. Anima Das	Lecture, Practical Total Teaching Hours: 5

5	One specimen/slide of any ctenophore	Mrs. Anima Das	Lecture, Practical Total Hours: 5
6	Study of adult <i>Ascaris lumbricoides</i> and its life stages (Slides/micro-photographs)	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
7	To submit a Project Report on any related topic on life cycles	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5

Identification= 10 marks; Project report= 8 marks; Regularity= 5 marks; Viva voce= 2 marks; Laboratory notebook= 5 marks

Course Code: ZOOHCC-102 T

Credits= 04; Full Marks: Theory= 50, Internal= 20 (Theory= 14, Attendance= 06)

Name of Course:: Principles of Ecology (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teaching
I	Introduction to Ecology 1. Definition of ecology, Autecology and synecology 2. Levels of organization, Laws of limiting factors 3. Biotic and abiotic factors	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
II	Population 1. Unique and group attributes of population: Density, natality, mortality, life tables, fecundity tables, survivorship curves 2. Exponential and logistic growth 3. Population regulation - density-dependent and independent factors 4. Population interactions – negative and positive interactions	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
III	Community 1. Community characteristics: species richness, dominance, diversity, abundance, vertical stratification 2. Ecotone and edge effect; Ecological succession with example 3. Theories pertaining to climax community	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
IV	Ecosystem 1. Types of ecosystems with example 2. Food chain: Detritus and grazing food chains, Food web, Energy flow through the ecosystem 3. Ecological pyramids 4. Biogeochemical cycle, Nitrogen cycle, Carbon Cycle	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12

V	Applied Ecology 1. Concept of sanctuary, national park, biosphere reserve, 2. Ecology in Wildlife Conservation and Management 3. Causes of depletion of wildlife 4. Project Tiger, Project Rhino 5. Application of GIS and remote sensing in wildlife biology	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
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Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks (Theory=14, Attendance=06) for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

Course Code: ZOOHCC-104 P

Credits= 02; Full Marks= 30 (Practical)

Name of Course:: Non-chordates I: Principles of Ecology (Practical)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Study of life tables and plotting of survivorship curves of different types from the hypothetical/real data provided	Mr. Bubul Das	Lecture, Practical Total Hours: 5
2	Determination of population density in a natural/hypothetical community by quadrat method and calculation of Shannon-Weiner diversity index for the same community	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5
3	Study of an aquatic ecosystem: Phytoplankton and zooplankton, Measurement of area, temperature, turbidity/penetration of light, determination of pH, and Dissolved Oxygen content (Winkler's method)	Dr. Sarbojit Thaosen	Lecture, Practical Field Visit Total Hours: 5
4	Biological Oxygen Demand (BOD)	Mrs. Anima Das	Lecture, Practical Total Hours: 5
5	Report on a visit to places of zoological importance	Dr. Sarbojit Thaosen	Field Visit Total Hours: 10

Experiments= 14 marks; Field Report/Project= 7 marks; Regularity= 5 marks; Laboratory Notebook= 2 marks; Viva voce= 2

**Plan for implementation of B.Sc. (General) Zoology Programme
First Semester**

DISCIPLINE SPECIFIC GENERAL ELECTIVE

Course Code: ZOODSC/ZOOG-101 T

Credits= 04; Full Marks: Theory= 50, Internal= 20 (Theory= 14, Attendance= 06)

Name of Course:: Animal Diversity (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Protozoa, Porifera and Cnidaria 1. General characters and classification of Protozoa up to classes; Locomotory Organelles and locomotion in Protozoa 2. General characters and classification of Porifera up to classes; Canal System in <i>Sycon</i> 3. General characters and classification up of Cnidaria to classes; Polymorphism in <i>Siphonophora</i>	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
II	Platyhelminthes, Nemathelminthes and Annelida 1. General characters and classification of Platyhelminthes up to classes; Life history of <i>Taenia solium</i> 2. General characters and classification of Nemathelminthes up to classes; Life history of <i>Ascaris lumbricoides</i> and its parasitic adaptations 3. General characters and classification of Annelida up to classes; Digestive System of Leech	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
III	Arthropoda, Mollusca and Echinodermata 1. General characters and classification of Arthropoda up to classes; Vision in Arthropoda, Metamorphosis in Insects 2. General characters and classification of Mollusca up to classes; Torsion in gastropods 3. General characters and classification of Echinodermata up to classes; Water-vascular system in Star Fish	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
IV	Protochordates, Agnatha and Pisces 1. General features of Protochordates 2. General features of Agnatha and classification of Cyclostomes up to classes 3. General features and Classification of Pisces up to orders; Osmoregulation in Fishes	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Remedial Total Hours:12

V	Amphibia, Reptiles, Aves and Mammals 1. General features and Classification of Amphibia up to orders; Parental care 2. General features and Classification of Reptilia up to orders; Poisonous and non-poisonous snakes, Biting mechanism in snakes 3. General features and Classification of Aves up to orders; Flight adaptations in birds 4. Classification of Mammals up to orders; Monotremata, Marsupials and Placentals –their characteristic features	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
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Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks (Theory=14, Attendance=06) for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

Course Code: ZOODSC/ZOOG-102 P
Credits= 02; Full Marks= 30 (Practical)
Name of Course:: Animal Diversity (Practical)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Study of the following specimens: <i>Amoeba</i> , <i>Euglena</i> , <i>Plasmodium</i> , <i>Paramecium</i> , <i>Sycon</i> , <i>Hyalonema</i> , and <i>Euplectella</i> , <i>Obelia</i> , <i>Physalia</i> , <i>Aurelia</i> , <i>Tubipora</i> , <i>Metridium</i> , <i>Taenia solium</i> , Male and female <i>Ascaris lumbricoides</i> , <i>Aphrodite</i> , <i>Nereis</i> , <i>Pheretima</i> , <i>Hirudinaria</i> , <i>Palaemon</i> , <i>Cancer</i> , <i>Limulus</i> , <i>Palamnaeus</i> , <i>Scolopendra</i> , <i>Julus</i> , <i>Periplaneta</i> , <i>Apis</i> , <i>Chiton</i> , <i>Dentalium</i> , <i>Pila</i> , <i>Unio</i> , <i>Loligo</i> , <i>Sepia</i> , <i>Octopus</i> , <i>Pentaceros</i> , <i>Ophiura</i> , <i>Echinus</i> , <i>Cucumaria</i> and <i>Antedon</i> , <i>Balanoglossus</i> , <i>Herdmania</i> , <i>Branchiostoma</i> , <i>Petromyzon</i> , <i>Sphyrna</i> , <i>Pristis</i> , <i>Torpedo</i> , <i>Labeo</i> , <i>Exocoetus</i> , <i>Anguilla</i> , <i>Ichthyophis/Ureotyphlus</i> , <i>Salamandra</i> , <i>Bufo</i> , <i>Hyla</i> , <i>Chelone</i> , <i>Hemidactylus</i> , <i>Chamaeleon</i> , <i>Draco</i> , <i>Vipera</i> , <i>Naja</i> , <i>Crocodylus</i> , <i>Gavialis</i> , Any six common birds from different orders, <i>Sorex</i> , Bat, <i>unambulus</i> , <i>Loris</i> .	Mrs. Anima Das	Lecture, Practical Remedial Total Teaching Hours: 15
2	Study of the following permanent slides: T.S. and L.S. of <i>Sycon</i> , Study of life history stages of <i>Taenia</i> , T.S. of Male and female <i>Ascaris</i>	Dr. Sarbojit Thaisen	Lecture, Practical Total Hours: 5
3	Key for Identification of poisonous and non-poisonous snakes. An –animal album containing photographs, cut outs, with appropriate write up about the above mentioned Taxa. Different Taxa/ topics may be given to different sets of students for this purpose.	Mr. Bubul Das	Lecture, Practical Total Teaching Hours: 10

Identification= 21 marks; Regularity= 5 marks; Laboratory Notebook= 2 marks; Viva voce= 2

B.Sc. Third SEMESTER Honours Programme

DISCIPLINE SPECIFIC CORE COURSES

Course Code: ZOOHCC-301 T

Credits= 04; Full Marks: Theory= 50, Internal= 20 (Theory= 14, Attendance= 06)

Name of Course:: Diversity of Chordates (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Chordates and Protochordates <ol style="list-style-type: none"> 1. General characteristics and outline classification of chordates 2. General characteristics of Hemichordata, Urochordata and Cephalochordata; 3. Retrogressive metamorphosis in Urochordata 4. Advanced features of vertebrates over Protochordata 	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
II	Agnatha and Pisces <ol style="list-style-type: none"> 1. General characteristics and classification of cyclostomes up to class 2. Classification of Pisces up to order 3. General characteristics of Chondrichthyes and Osteichthyes, 4. Migration, Osmoregulation and Parental care in fishes 	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
III	Amphibia and Reptilia <ol style="list-style-type: none"> 1. General characteristics and classification up to order; Parental care in Amphibians 2. General characteristics, distribution and affinities of <i>Sphenodon</i> 3. Difference between poisonous and non-poisonous snakes 4. Poison apparatus and Biting mechanism in snakes 	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
IV	Aves and mammals <ol style="list-style-type: none"> 1. General characteristics and classification of Aves up to order; <i>Archaeopteryx</i> — general characteristics and phylogenetic importance 2. Flight adaptations and Migration in birds; Flying and perching mechanism in birds 3. General characters and classification of mammals up to order; Affinities of Prototheria 4. Echolocation of Bats 5. Adaptive radiation of mammals with reference to locomotory appendages 	Mrs. Madhumita Daolagupu	Lecture Tutorial Seminar Test Remedial Total Teaching Hours:12
V	Zoogeography <ol style="list-style-type: none"> 1. Zoogeographical realms, geographic range, Physical features and faunal composition; Distribution of animals, types; Continental drift 2. Barriers: Extrinsic and intrinsic barriers; Dispersal – means of dispersal 	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Total Teaching Hours:12

Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks (Theory=14, Attendance=06) for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

Course Code: ZOOHCC-304 P
Credits= 02; Full Marks= 30 (Practical)
Name of Course:: Diversity of Chordates (Practical)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Protochordata: <i>Balanoglossus</i> , <i>Herdmania</i> , <i>Branchiostoma</i> , Colonial Urochordata Sections of <i>Balanoglossus</i> through, proboscis and branchiogenital regions, Sections of <i>Amphioxus</i> through pharyngeal, intestinal and caudal regions.	Dr. Sarbojit Thaosen	Lecture, Practical Total Teaching Hours: 10
2	Agnatha: <i>Petromyzon</i> , <i>Myxine</i>	Mrs. Anima Das	Lecture, Practical Total Hours: 2
3	Fishes: <i>Scoliodon</i> , <i>Sphyrna</i> , <i>Pristis</i> , <i>Torpedo</i> , <i>Mystus</i> , <i>Heteropneustes</i> , <i>Labeo rohita</i> , <i>Catla catla</i> , <i>Exocoetus</i> , <i>Echeneis</i> , <i>Anguilla</i> , <i>Hippocampus</i> , <i>Tetrodon/ Diodon</i> , <i>Anabas</i>	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
4	Amphibia: <i>Ichthyophis</i> , <i>Necturus</i> , <i>Bufo</i> , <i>Hyla</i> , <i>Alytes</i> , <i>Salamandra</i>	Mr. Bubul Das	Lecture, Practical Total Hours: 2
5	Reptilia: <i>Chelone</i> , <i>Trionyx</i> , <i>Hemidactylus</i> , <i>Varanus</i> , <i>Uromastix</i> , <i>Chamaeleon</i> , <i>Ophiosaurus</i> , <i>Draco</i> , <i>Bungarus</i> , <i>Vipera</i> , <i>Naja</i> , <i>Hydrophis</i> , <i>Crocodylus</i> . Key for Identification of poisonous and non-poisonous snakes	Mrs. Anima Das	Lecture, Practical Total Teaching Hours: 10
6	Aves: Study of six common birds from different orders. Types of beaks and claws	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5
7	Mammalia: Bat (Insectivorous and Frugivorous), <i>Funambulus</i> , <i>Loris</i> , <i>Herpestes</i> . Mount of weberian ossicles, pecten from Fowl head	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5
8	Project: Power point presentation on study of any two animals from two different classes by students	Mr. Bubul Das	Lecture, Practical Total Hours: 5

Spotting= 14 marks; Project= 7 marks; Regularity= 5 marks; Laboratory Notebook= 2 marks; Viva voce= 2 marks

Course Code: ZOOHCC-302 T

Credits= 04; Full Marks: Theory= 50, Internal= 20 (Theory= 14, Attendance= 06)

Name of Course:: Physiology: Controlling and Coordinating Systems (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Animal Tissues 1. Structure, location, classification and functions of epithelial tissue, connective tissue, muscular tissue and nervous tissue 2. Structure and types of bones and cartilages	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
II	Nervous System 1. Structure of neuron 2. Resting membrane potential, Origin of action potential and its propagation across myelinated and non-myelinated nerve fibers 3. Types of synapse, Synaptic transmission and Neuromuscular junction 4. Reflex action and its types - reflex arc	Mr. Bubul Das	Lecture Tutorial Seminar, Test Remedial Total Teaching Hours:12
III	Muscle 1. Histology of different types of muscle; Ultra structure of skeletal muscle 2. Molecular and chemical basis of muscle contraction 3. Characteristics of muscle twitch; treppe, summation and tetanus, isotonic and isometric contraction	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
IV	Reproductive System 1. Histology of testis and ovary 2. Physiology of male and female reproduction; reproductive cycles 3. Puberty, Methods of contraception in male and female 4. Hormones of testis and ovary and their functions 5. Feedback mechanism of action of hormones 6. Placental hormones	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
V	Endocrine System 1. Histology of endocrine glands - pineal, pituitary, thyroid, parathyroid, pancreas, adrenal 2. Hormones secreted by endocrine glands and their functions 3. Classification of hormones; Regulation of their secretion; 4. Mechanism of hormone action – peptide and steroid hormones	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Total Teaching Hours:12

Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks (Theory=14, Attendance=06) for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

Course Code: ZOOHCC-305 P

Credits= 02; Full Marks= 30 (Practical)

Name of Course:: Physiology: Controlling and Coordinating Systems (Practical)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Recording of simple muscle twitch with electrical stimulation through PowerPoint presentation	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5
2	Demonstration of the unconditioned reflex action (Deep tendon reflex such as knee jerk reflex)	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 1
3	Preparation of temporary mounts: Squamous epithelium, Striated muscle fibres and nerve cells	Mrs. Anima Das	Lecture, Practical Total Hours: 5
4	Study of permanent slides of Mammalian skin, Cartilage, Bone, Spinal cord, Nerve cell, Pituitary,	Mr. Bubul Das	Lecture, Practical Total Hours: 1
5	Pancreas, Testis, Ovary, Adrenal, Thyroid and Parathyroid	Mr. Bubul Das	Lecture, Practical Total Hours: 1
6	Microtomy: Preparation of permanent slides of mammalian (Goat/white rat) tissues (at least three)	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5

Experiment= 10 marks, Identification= 6 marks, Microtomy= 5 marks, Regularity= 5 marks, Laboratory Notebook= 2 marks, Viva voce=2 marks

Course Code: ZOOHCC-303 T

Credits= 04; Full Marks: Theory= 50, Internal= 20 (Theory= 14, Attendance= 06)

Name of Course:: Fundamentals of Biochemistry (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Carbohydrates 1. Structure and Biological importance: Monosaccharides, Oligosaccharides, Polysaccharides and Glycoconjugates	Mrs. Madhumita Daolagupu	Lecture, Tutorial Total Teaching Hours:12
II	Lipids 1. Classification of lipids; Structure and Significance: Physiologically important	Mrs. Anima Das	Lecture Tutorial Seminar, Test

	saturated and unsaturated fatty acids, Triacylglycerols, Phospholipids, Glycolipids, Steroids		Total Teaching Hours:12
III	Proteins 1. Amino acids: Structure, Classification and General properties of α -amino acids; Physiological importance of essential and non-essential α -amino acids 2. Classification of proteins, bonds stabilizing protein structure; Levels of organization in proteins 3. Introduction to simple and conjugate proteins	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
IV	Nucleic Acids 1. Structure: Purines and pyrimidines, Nucleosides, Nucleotides, Nucleic acids 2. Base pairing, Denaturation and Renaturation of DNA 3. Types of DNA and RNA, Complementarity of DNA	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
V	Enzymes 1. Nomenclature and classification; Specificity of enzyme action; Mechanism of enzyme action 2. Enzyme kinetics; Factors affecting rate of enzyme-catalyzed reactions; Derivation of Michaelis-Menten equation, Concept of K_m and V_{max} 3. Regulation of enzyme action	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Teaching Hours:12

Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks (Theory=14, Attendance=06) for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

Course Code: ZOOHCC-306 P

Credits= 02; Full Marks= 30 (Practical)

Name of Course:: Fundamentals of Biochemistry (Practical)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Qualitative tests of functional groups in carbohydrates, proteins and lipids	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5
2	Paper chromatography of amino acids	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 10
3	Action of salivary amylase under optimum conditions	Mr. Bubul Das	Lecture, Practical Total Hours: 5

4	Effect of pH and temperature on the action of salivary amylase	Mrs. Anima Das	Lecture, Practical Total Hours: 5
5	Demonstration of proteins separation by SDS-PAGE	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 10

Experiment-I= 11 marks, Experiment-II= 10 marks, Regularity= 5 marks, Laboratory Notebook= 2 marks, Viva voce = 2 marks

SKILL ENHANCEMENT COURSES

Course Code: ZOOS-301 T

Credits= 02; Full Marks: Theory= 50

Name of Course:: Apiculture (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Biology of Bees 1. History, Classification and Biology of Honey Bees 2. Social Organization of Bee Colony	Mr. Bubul Das	Lecture, Tutorial Total Teaching Hours: 6
II	Rearing of Bees 1. Artificial Bee rearing (Apiary), Beehives – Newton and Langstroth; 2. Bee Pasturage 3. Selection of Bee Species for Apiculture 4. Bee Keeping Equipment 5. Methods of Extraction of Honey (Indigenous and Modern)	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Total Teaching Hours: 6
III	Diseases and Enemies 1. Bee Diseases and Enemies 2. Control and Preventive measures	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Total Hours: 6
IV	Bee Economy 1. Products of Apiculture Industry and its Uses (Honey, Bees Wax, Propolis), Pollen etc.	Dr. Sarbojit Thaosen	Lecture, Tutorial Total Hours: 6
V	Entrepreneurship in Apiculture 1. Bee Keeping Industry – Recent Efforts, Modern methods in employing artificial Beehives for cross pollination in horticultural gardens	Dr. Sarbojit Thaosen	Lecture, Tutorial Total Teaching Hours: 6

**Plan for implementation of B.Sc. (General) Zoology Programme
Third Semester**

DISCIPLINE SPECIFIC GENERAL ELECTIVE

Course Code: ZOODSC/ZOOG-301 T

Credits= 04; Full Marks: Theory= 50, Internal= 20 (Theory= 14, Attendance= 06)

Name of Course:: Physiology and Biochemistry (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Nerve and muscle 1. Structure of a neuron, Resting membrane potential, Graded potential, 2. Origin of Action potential and its propagation in myelinated and non-myelinated nervefibres, 3. Ultra-structure of skeletal muscle, Molecular and chemical basis of muscle contraction	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
II	Digestion and Respiration 1. Physiology of digestion in the alimentary canal; Absorption of carbohydrates, proteins & lipids 2. Pulmonary ventilation, Respiratory volumes and capacities, Transport of Oxygen and carbon dioxide in blood	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
III	Excretion and Cardiovascular System 1. Structure of nephron, Mechanism of Urine formation, Counter-current Mechanism 2. Composition of blood, Hemostasis, Structure of Heart, Origin and conduction of the cardiac impulse, Cardiac cycle	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
IV	Reproduction and Endocrine Glands 1. Physiology of male reproduction: hormonal control of spermatogenesis; Physiology of female reproduction: hormonal control of menstrual cycle 2. Structure and function of pituitary, thyroid, Parathyroid, pancreas and adrenal	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
V	Enzymes and Metabolism 1. Classification and nomenclature of enzymes, Mechanism of action, Enzyme Kinetics 2. Glycolysis, Krebs Cycle, Pentose phosphate pathway, Gluconeogenesis, Electron transport chain 3. Biosynthesis and β oxidation of palmitic acid Transamination, Deamination and Urea Cycle	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12

Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks (Theory=14, Attendance=06) for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

Course Code: ZOODSC/ZOOG-302 P

Credits= 02; Full Marks= 30 (Practical)

Name of Course:: Physiology and Biochemistry (Practical)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Preparation of hemin crystals	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5
2	Study of permanent histological sections of mammalian pituitary, thyroid, pancreas, adrenal gland	Mrs. Anima Das	Lecture, Practical Total Hours: 5
3	Study of permanent slides of spinal cord, duodenum, liver, lung, kidney, bone, cartilage	Mrs. Anima Das	Lecture, Practical Total Hours: 5
4	Qualitative tests to identify functional groups of carbohydrates in given solutions (Glucose, Fructose, Sucrose, Lactose)	Dr. Sarbojit Thakosen	Lecture, Practical Total Hours: 15
5	Study of activity of salivary amylase under optimum conditions	Mr. Bubul Das	Lecture, Practical Total Hours: 5

Experiment= 15; Identification= 6; Regularity= 5; Laboratory Notebook= 2; Viva Voce= 2

B.Sc. Fifth SEMESTER Honours Programme

DISCIPLINE SPECIFIC CORE COURSES

Course Code: ZOOHCC-501 T

Credits= 04; Full Marks: Theory= 50, Internal= 20 (Theory= 14, Attendance= 06)

Name of Course:: Molecular Biology (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Nucleic Acids 1. Salient features and chemical compositions of DNA and RNA 2. Watson and Crick model of DNA; Structure and types of RNA	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Total Hours: 12
II	DNA Replication 1. DNA Replication in prokaryotes and eukaryotes, mechanism of DNA replication,	Mr. Bubul Das	Lecture, Tutorial Seminar, Test

	Semi- conservative, bidirectional and semi-discontinuous replication, RNA priming, replication of telomeres		Total Teaching Hours:12
III	Transcription and Regulatory RNAs 1. RNA polymerase and transcription Unit, mechanism of transcription in prokaryotes and eukaryotes, synthesis of rRNA and mRNA, transcription factors 2. Ribo-switches, RNA interference, miRNA, siRNA	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Remedial Total Hours:12
IV	Translation 1. Genetic code, Degeneracy of the genetic code and Wobble Hypothesis; 2. Process of protein synthesis in prokaryotes: Ribosome structure and assembly in prokaryotes, aminoacyl tRNA synthetases and charging of tRNA; Proteins involved in initiation, elongation and termination of polypeptide chain 3. Inhibitors of protein synthesis; Difference between prokaryotic and eukaryotic translation	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
V	Post Transcriptional Modifications, Processing of Eukaryotic RNA and Gene Regulation 1. Split genes: concept of introns and exons, splicing mechanism, alternative splicing, exon shuffling and RNA editing, Processing of tRNA 2. Transcription regulation in prokaryotes: Principles of transcriptional regulation with examples from lac operon and trp operon	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12

Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks (Theory=14, Attendance=06) for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

Course Code: ZOOHCC-503 P
Credits= 02; Full Marks= 30 (Practical)
Name of Course:: Molecular Biology (Practical)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Study of Polytene chromosomes from Chironomus / Drosophila larvae	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5
2	Quantitative estimation of DNA using colorimeter or spectrophotometer	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 10
3	Detection of DNA	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5

4	Study and interpretation of electron micrographs/photograph showing (a) DNA replication, (b) Transcription, (c) Split genes	Mr. Bubul Das	Lecture, Practical Total Hours: 5
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Experiment= 15 marks; Identification= 6 marks; Regularity= 5 marks; Laboratory Notebook= 2 marks; Viva voce= 2 marks

Course Code: ZOOHCC-502 T

Credits= 04; Full Marks: Theory= 50, Internal= 20 (Theory= 14, Attendance= 06)

Name of Course:: Principles of Genetics (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Mendelian Genetics and its Extension 1. Principles of inheritance 2. Incomplete dominance and co-dominance, Multiple alleles, Lethal alleles, 3. Epistasis, Pleiotropy 4. Sex-linked, sexinfluenced and sex-limited characters inheritance	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
II	Linkage, Crossing Over and Chromosomal Mapping 1. Linkage and crossing over - Cytological basis of crossing over 2. Molecular mechanisms of crossing over including models of recombination 3. Linkage map – coincidence, interference	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
III	Mutations 1. Types of gene mutations and Types of chromosomal aberrations 2. Molecular basis of mutations in relation to UV light and chemical mutagens	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Remedial Total Hours:12
IV	Sex Determination and Extra-chromosomal Inheritance 1. Chromosomal, environmental and hormonal mechanisms of sex determination 2. Extra-chromosomal inheritance 3. Mitochondrial mutations	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
V	Other Concepts in Genetics 1. Concept of Polygenic inheritance with suitable examples 2. Conjugation, Transformation, Transduction, Complementation test in Bacteriophage 3. Transposons in bacteria, Ac-Ds elements in maize and P elements in <i>Drosophila</i> , Transposons in humans	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12

Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks (Theory=14, Attendance=06) for each course in each semester. Qualifying the tests is mandatory for appearing in the end

semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

Course Code: ZOOHCC-504 P
Credits= 02; Full Marks= 30 (Practical)
Name of Course:: Principles of Genetics (Theory)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	To study the Mendelian laws and gene interactions through PowerPoint presentation	Mrs. Anima Das	Lecture, Practical Total Hours: 5
2	Chi-square analyses using seeds/beads/ <i>Drosophila</i> .	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 10
3	Study of human karyotype (normal and abnormal).	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5
4	Pedigree analysis of some human inherited traits.	Mr. Bubul Das	Lecture, Practical Total Hours: 10

Experiment= 15 marks; Identification= 6 marks; Regularity= 5 marks; Laboratory Notebook= 2 marks; Viva voce= 2 marks

DISCIPLINE SPECIFIC ELECTIVE COURSES

Course Code: ZOODSE-501 T
Credits= 04; Full Marks: Theory= 50, Internal= 20 (Theory= 14, Attendance= 06)
Name of Course:: Immunology (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Overview of the Immune System 1. Introduction to basic concepts in immunology, components of immune system 2. Principles of innate and adaptive immune system	Mrs. Madhumita Daolagupu	Lecture, Tutorial Remedial Total Hours:12
II	Cells and Organs of the Immune System 1. Haematopoiesis, Cells of immune system 2. Lymphoid organs (primary and lymphoid organs) of the immune system	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Total Hours:12

III	Antigens and Antibodies 1. Basic properties of antigens, B and T cell epitopes, haptens and adjuvants; 2. Structure, classes and function of antibodies, monoclonal antibodies, 3. Antigen antibody interactions as tools for research and diagnosis	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Remedial Total Hours:12
IV	Working of the Immune System 1. Structure and functions of MHC, exogenous and endogenous pathways of antigen presentation and processing, Basic properties and functions of cytokines, 2. Complement system: Components and pathways.	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
V	Immune System in Health and Disease 1. Introduction to concepts of autoimmunity and immunodeficiency; AIDS; 2. General introduction to vaccines, Various types of vaccines	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Total Hours:12

Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks (Theory=14, Attendance=06) for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

Course Code: ZOODSE-502 P
Credits= 02; Full Marks= 30 (Practical)
Name of Course:: Immunology (Theory)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Demonstration of lymphoid organs through audio-visual aids	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
2	Histological study of spleen, thymus and lymph nodes through slides/ photographs	Mr. Bubul Das	Lecture, Practical Total Hours: 5
3	Preparation of stained blood film to study various types of blood cells.	Mrs. Anima Das	Lecture, Practical Total Hours: 5
4	ABO blood group determination.	Mrs. Anima Das	Lecture, Practical Total Hours: 5
5	Demonstration of ELISA and Immuno electrophoresis through audio-visual aids.	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 10

Experiment= 15 marks; Identification= 6 marks; Regularity= 5 marks; Laboratory Notebook= 2 marks; Viva voce= 2 marks

Course Code: ZOODSE-502 T

Credits= 04; Full Marks: Theory= 50, Internal= 20 (Theory= 14, Attendance= 06)

Name of Course:: Fish and Fisheries (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction and Classification 1. General description of fish; Account of systematic classification of fishes (up to classes); 2. Classification based on feeding habit, habitat and manner of reproduction.	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
II	Morphology and Physiology 1. Types of fins and their modifications; Locomotion in fishes; Hydrodynamics; 2. Types of Scales, Use of scales in Classification and determination of age of fish; 3. Gills and gas exchange; Swim Bladder: Types and role in Respiration, buoyancy; 4. Osmoregulation in fishes; Electric organs; Bioluminescence; Schooling; 5. Parental care; Migration	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
III	Fisheries 1. Inland Fisheries; Marine Fisheries; Environmental factors influencing the seasonal variations in fish catches in the Bay of Bengal; 2. Fishing crafts and Gears; Depletion of fisheries resources; 3. Application of remote sensing and GIS in fisheries; Fisheries law and regulations	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Remedial Total Hours:12
IV	Aquaculture 1. Sustainable Aquaculture; Extensive, semi-intensive and intensive culture of fish; 2. Pen and cage culture; Polyculture; Composite fish culture; Brood stock management; 3. Induced breeding of fish; Management of finfish hatcheries; 4. Preparation and maintenance of fish aquarium; Preparation of compound diets for fish; Role of water quality in aquaculture	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
V	Fish Diseases and fishery By-products 1. Fish diseases: Bacterial, viral and parasitic; EUS; 2. Preservation and processing of harvested fish, 3. Fishery by-products	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Total Hours:12

Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks (Theory=14, Attendance=06) for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

Course Code: ZOODSE-502 P
Credits= 02; Full Marks= 30 (Practical)
Name of Course:: Fish and Fisheries (Theory)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Morphometric and meristic characters of fishes of IMC	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
2	Study of <i>Pristis</i> , <i>Exocoetus</i> , <i>Hippocampus</i> , <i>Labeo</i> , <i>Heteropneustes</i> , <i>Anabas</i> , <i>Catla</i> , <i>Mirgal</i> , <i>Clarias</i> , <i>Notopterus</i> , <i>Cyprinus</i> , <i>Ompok</i> , <i>Telapia</i>	Mr. Bubul Das	Lecture, Practical Total Hours: 5
3	Study of different types of scales (through permanent slides/ photographs)	Mrs. Anima Das	Lecture, Practical Total Hours: 5
4	Study of crafts and gears used in Fisheries	Mr. Bubul Das	Lecture, Practical Total Hours: 5
5	Water quality criteria for Aquaculture: Assessment of pH, temperature	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
6	Study of air breathing organs in <i>Channa</i> , <i>Heteropneustes</i> , <i>Anabas</i> and <i>Clarias</i> through audio-visual aids	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
7	Demonstration of induced breeding in Fishes (video)	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
8	Demonstration of parental care in fishes (video)	Mrs. Anima Das	Lecture, Practical Total Hours: 5
9	A Project Report on visit(s) to fish farm/ pisciculture unit/ fish research laboratory	Dr. Sarbojit Thaosen	Field Visit Total Hours= 10

Experiment= 14 marks; Project Report= 7 marks Regularity= 5 marks; Laboratory Notebook= 2 marks; Viva voce= 2 marks

SKILL ENHANCEMENT COURSES

Course Code: ZOOSSEC-501 T
Credits= 02; Full Marks: Theory= 50
Name of Course:: Aquarium Fish Keeping (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Aquarium Fish Keeping 1. The potential scope of Aquarium Fish Industry as a Cottage Industry, 2. Exotic and Endemic species of Aquarium Fishes	Dr. Sarbojit Thaosen	Lecture, Tutorial Total Teaching Hours: 6

II	Biology of Aquarium Fishes 1. Common characters and sexual dimorphism of Fresh water and Marine Aquarium fishes such as Guppy, Molly, Sword tail, Gold fish, Angel fish, Blue morph, Anemonefish and Butterfly fish	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Teaching Hours: 6
III	Food and feeding of Aquarium fishes 1. Use of live fish feed organisms. 2. Preparation and composition of formulated fish feeds	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Total Hours: 6
IV	Fish Transportation 1. Live fish transport - Fish handling, packing and forwarding techniques.	Mrs. Anima Das	Lecture, Tutorial Total Hours: 6
V	Maintenance of Aquarium 1. General Aquarium maintenance – budget for setting up an Aquarium Fish Farm as a Cottage Industry	Dr. Sarbojit Thaosen	Lecture, Tutorial Total Teaching Hours: 6

Plan for Implementation of B.Sc. (Zoology) Honours and B.Sc. (Zoology) Pass Non-CBCS Programme

The different units and topics thereof of the Zoology Honours Course of B.Sc. Programme have been allotted to individual teachers of the department as mentioned in the following tables for the odd semesters from July 2019 to December 2019. Details of plan for each unit and topics will be designed by each of the teachers to whom the units and topics are allotted. As per the guidelines of the University, internal assessment will be done by taking two unit tests of 25 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations though the marks secured in Internal Assessment will not be counted in the university conducted examinations for each semester.

B.Sc. 5th SEMESTER Honours Programme

Paper: ZOOH-501

Lecture= 60, Full Marks= 35, Pass Marks= 12

Name of the Paper:: Developmental Biology, Molecular Biology & Immunology (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Developmental Biology-II: i) Early development of Amphioxus, Frog, Chick and Rabbit up to Gastrulation. ii) Extra embryonic membrane in mammals, Placenta- types and function.	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Hours: 12

II	Molecular Biology-I: i) Modern concept of Genes, Central Dogma of Molecular Biology ii) Nucleic Acids- structure and functions iii) DNA replication- general principle.	Ms. Anima Das	Lecture, Tutorial Seminar, Test Remedial Total Hours:12
III	Molecular Biology-II: i) Blotting technique. ii) Protein biosynthesis. iii) Regulation of gene expression- general principle.	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
IV	Immunology-I: i) Immunity- innate and adaptive, cells, tissue and molecules of immunosystem. ii) Immunoglobulin: their structure and functions.	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Total Hours:12
V	Immunology-II: i) Immune response: Humoral immunity and cell mediated immunity. ii) AIDS	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Total Hours:12

Paper: ZOOH-502

Lecture= 60, Full Marks= 35, Pass Marks= 12

Name of the Paper:: Human & Population Genetics, Radiation Biology & Animal Behaviour (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Human Genetics: i) Study of Human chromosomes ii) DNA fingerprinting iii) Chromosomal abnormality- the syndromes, autosomal syndromes, heterosomal syndromes. iv) Prenatal sex and diagnosis- amniocentesis, Human heredity traits.	Ms. Anima Das	Lecture, Tutorial Seminar, Test Total Hours:12
II	Population Genetics: i) Population genetics- Hardy-Weinberg law ii) Blood groups and Rh factor iii) Inbreeding and Outbreeding, eugenics, euthenics and euphenics, Need of eugenics, Twins.	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Remedial Total Hours:12
III	Radiation Biology-I: i) Radiation- definition, types and unit. ii) Natural background radiation.	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Total Teaching

	iii) Impact of Radioactive radiation.		Hours:12
IV	Radiation Biology-II: i) Ionizing Radiation and its health hazards. ii) Radioactive isotopes- its properties and uses in Biology, Half-life.	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Total Hours:12
V	Animal Behaviour-I: Definition, Behaviour as Science, Types of behaviour- Tropism, Taxes, Reflexes, Instinctive behaviour, Learning Behaviour.	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Hours:12

Paper: ZOOH-503

Lecture= 60, Full Marks= 35, Pass Marks= 12

Name of the Paper:: Animal Behaviour , Biotechnology & Economic Zoology (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Animal Behaviour-II: Motivation, Sexual behaviour, Social behaviour with reference to non-human primates, Memory and learning: Biorthyms.	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Hours:12
II	Biotechnology-I: i) Basic concepts in genetic engineering. ii) Restriction enzymes, DNA ligase, Polymerase, etc. iii) Cloning Vehicles: Plasmids, Cosmids, Lambda phage.	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Remedial Total Hours:12
III	Biotechnology-II: i) Introduction of cloned genes into the host cells: Transformation, Transduction and Particle gun. ii) Gene Therapy: Common genetic disease- target of gene therapy, gene bank.	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
IV	Economic Zoology-I: i) Apiculture: Theory and practice of bee keeping ii) Sericulture: Culture of Eri and Muga silk worm iii) Lac culture: Morphology, Life history and culture of Lac insect.	Ms. Anima Das	Lecture, Tutorial Seminar, Test Total Hours:12
V	Economic Zoology-II: i) Pisciculture: Types of commercial fishes, construction and management of ponds for fish culture, Cultivable freshwater fish species in India; maintenance of fish stock in ponds. ii) Poultry: Poultry in India, Poultry farming, common diseases in poultry farming and their control.	Ms. Anima Das	Lecture, Tutorial Seminar, Test Total Hours:12

B.Sc. 5th SEMESTER Pass Course

Paper: ZOOP-501

Lecture= 60, Full Marks= 35, Pass Marks= 12

Name of the Paper:: Cell Biology, Genetics & Biochemistry (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Cell Biology-I: i) Structure of typical animal cell; Physical properties and chemical composition of cells; cell division. ii) General structure, composition & functions of: Cell membrane, Mitochondria, Golgi apparatus, Nucleus, Endoplasmic reticulum, lysosome & Ribosomes.	Dr. Sarbojit Thaosen	Lecture Tutorial Seminar, Test Total Hours:12
II	Cell Biology-II: i) Chromosomes: Types, structure & functions; special types of chromosomes: Salivary gland chromosomes & Lamp brush chromosomes. ii) Nucleic acids: DNA & RNA, Watson & Crick model; Functions of nucleic acids. iii) Protein Synthesis.	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Remedial Total Hours:12
III	Genetics-I: i) Mendelian principle of inheritance & Mendalism ii) Interaction of genes: complementary, supplementary, inhibitory and duplicate types, Multiple alleles. iii) Linkage & Crossing over.	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
IV	Genetics-II: i) Sex determination: chromosomal, cytoplasmic & environmental basis. Sex linked inheritance. ii) Mutation- Chromosomal and Gene mutation.	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Total Hours:12
V	Biochemistry: i) Amino acids & its types ii) Protein its classification, structure & functions. iii) Carbohydrates: classification, properties & biological significance. iv) Fats: Classification & importance.	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Total Hours:12

EVEN SEMESTERS JANUARY 2020 TO JUNE 2020

Plan for Implementation of B.Sc. (Zoology) Honours and B.Sc. (Zoology) General CBCS Programme

B.Sc. Second SEMESTER Honours Programme

DISCIPLINE SPECIFIC CORE COURSES

Course Code: ZOOHCC-201 T

Credits= 04; Full Marks: Theory= 50, Internal= 20 (Theory= 14, Attendance= 06)

Name of Course:: Non-chordates II: Coelomates (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Coelomates and Annelida 1. Evolution of coelom and metamerism 2. General characteristics and classification of Annelids up to classes 3. Excretion in Annelida with special reference to Leech	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
II	Arthropoda 1. General characteristics and classification up to classes 2. Vision and Respiration in Arthropoda with special reference to Prawn 3. Metamorphosis in Insects 4. Social life in bees and termites	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
III	Onychophora and Xiphosura 1. Distribution of Onychophora 2. Morphological and anatomical characteristics of Onychophora 3. Affinities of Onychophora 4. Limulus – structure and its phylogenetic significance	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Remedial Total Hours:12
IV	Mollusca 1. General characteristics and Classification up to classes 2. Respiration in Mollusca with reference to <i>Pila</i> 3. Torsion and detorsion in Gastropoda 4. Pearl formation in bivalves	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Total Teaching Hours:12

V	Echinodermata 1. General characteristics and Classification 2. Water-vascular system in <i>Asteroidea</i> 3. Larval forms in Echinodermata 4. Affinities with Chordates	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Total Hours:12
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Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks (Theory=14, Attendance=06) for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

Course Code: ZOOHCC-201 P

Credits= 02; Full Marks= 30 (Practical)

Name of Course:: Non-chordates II: Coelomates (Practical)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Study of following specimens: <i>Annelids - Nereis, Heteronereis, Chaetopterus, Pheretima, Hirudinaria</i>	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5
2	<i>Arthropods - Limulus, Palaemon, Daphnia, Balanus, Sacculina, Cancer, Scolopendra, Julus, Bombyx,</i>	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5
3	<i>Periplaneta, termites and honey bees; Onychophora - Peripatus</i>	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
4	<i>Molluscs - Chiton, Pila, Doris, Helix, Unio, Sepia, Octopus, Nautilus</i>	Mrs. Anima Das	Lecture, Practical Total Hours: 5
5	<i>Echinodermates - Pentaceros/Asterias, Ophiura, Echinus, Cucumaria and Antedon</i>	Mr. Bubul Das	Lecture, Practical Total Hours: 5
6	Study of digestive system, nephridia of earthworm and Leech through powerpoint presentation	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
7	T.S. through pharynx, gizzard, and typhlosolar intestine of earthworm	Mrs. Anima Das	Lecture, Practical Total Hours: 5
8	To submit a Project Report on Arthropoda and Mollusca	Mr. Bubul Das	Lecture, Practical Total Hours: 5

Spotting= 14 marks; Project Report= 7 marks; Regularity= 5 marks; Laboratory Notebook= 2 marks; Viva voce= 2 marks

Course Code: ZOOHCC-202 T
Credits= 04; Full Marks: Theory= 50, Internal= 20 (Theory= 14, Attendance= 06)
Name of Course:: Cell Biology (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Overview of Cells 1. History of discovery of cell, Cell theory; 2. Prokaryotic and Eukaryotic cells, Virus, Viroids, Mycoplasma, Prions	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Total Hours:12
II	Membrane and membrane systems 1. Various models of plasma membrane structure 2. Transport across membranes: Active and Passive transport, Facilitated transport 3. Cell junctions: Tight junctions, Desmosomes, Gap junctions 4. Structure and functions of Endoplasmic reticulum, Golgi apparatus and Lysosomes	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
III	Mitochondria and Peroxisomes 1. Mitochondria: Structure, Semi-autonomous nature, Endosymbiotic hypothesis 2. Mitochondrial Respiratory Chain, Chemi-osmotic hypothesis 3. Peroxisomes, ATP as energy currency of the cell	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Remedial Total Hours:12
IV	Cytoskeleton and Nucleus 1. Structure and Functions: Microtubules, Microfilaments and Intermediate filaments 2. Structure of Nucleus: Nuclear envelope, Nuclear pore complex, Nucleolus 3. Chromatin: Euchromatin and Heterochromatin and packaging (nucleosome)	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
V	Cell Division and Cell Signaling 1. Mitosis, Meiosis, Cell cycle and its regulation 2. GPCR and Role of second messenger (cAMP)	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Total Hours:12

Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks (Theory=14, Attendance=06) for each course in each semester

Course Code: ZOOHCC-202 P
Credits= 02; Full Marks= 30 (Practical)
Name of Course:: Cell Biology (Theory)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Preparation of temporary stained squash of onion root tip to study various stages of mitosis	Mrs. Anima Das	Lecture, Practical Total Hours: 5
2	Study of various stages of meiosis.	Mr. Bubul Das	Lecture, Practical Total Hours: 5
3	Preparation of permanent slide to show the presence of Barr body in human female bloodcells/cheek cells.	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5

Experiment= 15 marks; Spotting= 6 marks; Regularity= 5 marks; Laboratory Notebook= 2 marks; Viva voce= 2 marks

DISCIPLINE SPECIFIC CORE COURSE/GENERAL ELECTIVE

Course Code: ZOODSC/GE-201 T
Credits= 04; Full Marks: Theory= 50, Internal= 20 (Theory= 14, Attendance= 06)
Name of Course:: Comparative Anatomy and Developmental Biology of Vertebrates (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Integumentary System and Skeletal System 1. Derivatives of integument w.r.t. glands and digital tips 2. Evolution of visceral arches	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Total Hours:12
II	Digestive System and Respiratory System 1. Brief account of alimentary canal and digestive glands 2. Brief account of Gills, lungs, air sacs and swim bladder	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Hours:12
III	Circulatory System and Urinogenital System 1. Evolution of heart and aortic arches 2. Succession of kidney, Evolution of urinogenital ducts	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Total Hours:12
IV	Nervous System and Sense Organs 1. Comparative account of brain	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Total Hours:12
V	Early Embryonic Development 1. Gametogenesis: Spermatogenesis and oogenesis w.r.t. mammals,	Mrs. Anima Das	Lecture Tutorial

	2. Fertilization: external (amphibians), internal (mammals), blocks to polyspermy; 3. Early development of humans (structure of mature egg and its membranes, patterns of cleavage, fate map, up to formation of gastrula); 4. Implantation of embryo in humans, Formation of human placenta and functions, other types of placenta on the basis of histology;		Seminar Test Remedial Total Teaching Hours:12
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Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks (Theory=14, Attendance=06) for each course in each semester.

Course Code: ZOODSC/GE-201 P

Credits= 02; Full Marks= 30 (Practical)

Name of Course:: Comparative Anatomy and Developmental Biology of Vertebrates (Theory)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Osteology: a) Disarticulated skeleton of fowl and rabbit b) Mammalian skulls: One herbivorous and one carnivorous animal.	Mrs. Anima Das	Lecture, Practical Total Hours: 5
2	Frog - Study of developmental stages - whole mounts and sections through permanent slides – cleavage stages, blastula, gastrula, tadpole external and internal gill stages.	Mr. Bubul Das	Lecture, Practical Total Hours: 5
3	Study of the different types of placenta- histological sections through permanent slides or photomicrographs.	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5
4	Study of placental development in humans by ultrasound scans or photographs	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5
5	Examination of gametes - frog/rat - sperm and ova through permanent slides or photomicrographs.	Dr. Sarbojit Thakosen	Lecture, Practical Total Hours: 5

Identification= 21 marks; Regularity= 5 marks; Laboratory Notebook= 2 marks; Viva voce= 2 marks

B.Sc. Fourth SEMESTER Honours Programme

DISCIPLINE SPECIFIC CORE COURSES

Course Code: ZOOHCC-401 T

Credits= 04; Full Marks: Theory= 50, Internal= 20 (Theory= 14, Attendance= 06)

Name of Course:: Comparative Anatomy of Vertebrates (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Integumentary and Skeletal Systems 1. Structure, functions and derivatives of integument 2. Overview of axial and appendicular skeleton, 3. Visceral arches of birds and mammals	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
II	Digestive and Respiratory Systems 1. Alimentary canal and associated glands in mammals 2. Respiratory organs in amphibians and birds 3. Accessory respiratory organs in fishes	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
III	Circulatory and Urinogenital Systems 1. General plan of circulation, evolution of heart and aortic arches 2. Succession of kidney, Evolution of urinogenital ducts 3. Types of mammalian uteri	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Remedial Total Hours:12
IV	Nervous System 1. Comparative account of brain in vertebrates 2. Autonomic nervous system, Spinal cord, Cranial nerves in mammals	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Total Hours:12
V	Sense Organs 1. Classification of receptors, chemoreceptors and mechanoreceptors 2. Brief account of visual and auditory receptors in man	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Total Hours:12

Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks (Theory=14, Attendance=06) for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

Course Code: ZOOHCC-401 P

Credits= 02; Full Marks= 30 (Practical)

Name of Course:: Comparative Anatomy of Vertebrates (Practical)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Study of Placoid, Cycloid and Ctenoid scales through permanent slides/photographs	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
2	Disarticulated skeleton of Frog/Toad/Calotes/Fowl/Pigeon/Guineapig	Mrs. Anima Das	Lecture, Practical Total Hours: 5
3	Mammalian skulls: One herbivorous and one carnivorous animal	Mr. Bubul Das	Lecture, Practical Total Hours: 5
4	Dissection of rat to study arterial and urinogenital system through audio-visual aids	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5
5	Study of structure of any two organs (heart, lung, kidney, eye and ear) from video recording	Mrs. Anima Das	Lecture, Practical Total Hours: 5
6	Project on skeletal modifications in vertebrates	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5

Identification= 14 marks; Project= 7 marks; Regularity= 5 marks; Laboratory Notebook= 2 marks; Viva voce= 2 marks

Course Code: ZOOHCC-402 T

Credits= 04; Full Marks: Theory= 50, Internal= 20 (Theory= 14, Attendance= 06)

Name of Course:: Physiology: Life Sustaining Systems (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Physiology of Digestion in Mammals 1. Structural organization and functions of gastrointestinal tract and associated glands 2. Mechanical and chemical events of digestion of food 3. Absorptions of carbohydrates, lipids, proteins, water, minerals and vitamins 4. Hormonal control of secretion of enzymes in Gastrointestinal tract.	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
II	Physiology of Respiration in Mammals 1. Histology of lungs; Mechanism of respiration, Pulmonary ventilation; Respiratory volumesand capacities. 2. Transport of oxygen and carbon dioxide in blood; Respiratory pigments, Dissociation curvesand the factors influencing it; Carbon monoxide poisoning; Control of respiration	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
III	Renal Physiology in Mammals 1. Structure of kidney and its functional unit 2. Mechanism of urine formation;	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Remedial

	3. Regulation of water balance; Regulation of acid-base balance 4. Hormonal regulation of the volume of urine		Total Hours:12
IV	Mammalian Blood 1. Components of blood and their functions; Structure and functions of haemoglobin 2. Haemostasis: Blood clotting system and mechanism of coagulation, Fibrinolytic system, 3. Haemopoiesis; Blood as a buffer system; Blood groups: Rh factor, ABO	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Hours:12
V	Physiology of Mammalian Heart 1. Structure of mammalian heart; Circulation of blood through the heart of mammal; Coronary 2. circulation; Structure and working of conducting myocardial fibers; Origin and conduction of cardiac impulses Cardiac cycle; Cardiac output and its regulation, Electrocardiogram, 3. Blood pressure and its regulation	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Hours:12

Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks (Theory=14, Attendance=06) for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

Course Code: ZOOHCC-402 P

Credits= 02; Full Marks= 30 (Practical)

Name of Course:: Physiology: Life Sustaining Systems (Practical)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Determination of ABO Blood group	Mrs. Anima Das	Lecture, Practical Total Hours: 5
2	Enumeration of red blood cells and white blood cells using haemocytometer	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5
3	Estimation of haemoglobin using haemoglobinometer	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5
4	Preparation of haemin and haemochromogen crystals	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5
5	Recording of frog's heart beat under <i>in situ</i> and perfused conditions	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5

6	Recording of blood pressure using a sphygmomanometer	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
7	Examination of sections of mammalian oesophagus, stomach, duodenum, ileum, rectum liver, trachea, lung, kidney	Mr. Bubul Das	Lecture, Practical Total Hours: 5

Experiment-I= 8 marks; Experiment-II= 7 marks; Identification = 6 marks; Regularity= 5 marks; Laboratory Notebook= 2 marks;
Viva voce= 2 marks

Course Code: ZOOHCC-403 T

Credits= 04; Full Marks: Theory= 50, Internal= 20 (Theory= 14, Attendance= 06)

Name of Course:: Biochemistry of Metabolic Processes (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Overview of Metabolism 1. Catabolism vs Anabolism, Stages of catabolism, Shuttle systems and membrane transporters 2. ATP as "Energy Currency of cell"; coupled reactions 3. Intermediary metabolism and regulatory mechanisms	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
II	Carbohydrate Metabolism 1. Sequence of reactions and regulation of glycolysis, Citric acid cycle, Phosphate pentose pathway, Gluconeogenesis, Glycogenolysis and Glycogenesis	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
III	Lipid Metabolism 1. β -oxidation of saturated fatty acids with even and odd number of carbon atoms 2. Biosynthesis of palmitic acid; Ketogenesis	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Remedial Total Hours:12
IV	Protein Metabolism 1. Catabolism of amino acids: Transamination, Deamination, Urea cycle; 2. Fate of C-skeleton of Glucogenic and Ketogenic amino acids	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Total Hours:12
V	Oxidative Phosphorylation 1. Redox systems; Review of mitochondrial respiratory chain, Inhibitors and uncouplers of Electron Transport System	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Total Hours:12

Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks (Theory=14, Attendance=06) for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

Course Code: ZOOHCC-403 P
Credits= 02; Full Marks= 30 (Practical)

Name of Course:: Biochemistry of Metabolic Processes (Practical)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Estimation of total protein in given solutions by Lowry's method	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
2	To study the enzymatic activity of Trypsin and Lipase	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5
3	Detection of Alkaline Phosphatase assay from tissue		Lecture, Hours: 5
4	Estimation of glucose	Mrs. Anima Das	Lecture, Practical Total Hours: 5
5	Demonstration of effect of inhibitors on activity of Salivary Amylase	Mr. Bubul Das	Lecture, Practical Total Hours: 5

Experiment-I= 7 marks; Experiment-II= 7 marks; Experiment-III= 7 marks; Regularity= 5 marks; Laboratory Notebook= 2 marks;
Viva voce= 2 marks

SKILL ENHANCEMENT COURSES

Course Code: ZOOSec-401 T
Credits= 04; Full Marks: Theory= 50
Name of Course:: Medical Diagnostics (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction and Diagnostics Methods Used for Analysis of Blood 1. Importance of medical diagnostics; 2. Blood composition, Preparation of blood smear and Differential Leucocyte Count (D.L.C) using Leishman's stain, 3. Platelet count using haemocytometer, 4. Erythrocyte Sedimentary Rate (E.S.R), Packed Cell Volume (P.C.V.)	Mrs. Madhumita Daolagupu	Lecture Tutorial Seminar, Test Total Teaching Hours:12
II	Diagnostic Methods Used for Urine Analysis 1. Urine Analysis: Physical characteristics; Abnormal constituents	Dr. Sarbojit Thaosen	Lecture, Tutorial Total Hours:12
III	Non-infectious Diseases 1. Causes, types, symptoms, complications, diagnosis and prevention of Diabetes	Mrs. Anima Das	Lecture, Tutorial Seminar, Test

	(Type I and Type II), Hypertension (Primary and secondary), 2. Testing of blood glucose using Glucometer/Kit		Remedial Total Hours:12
IV	Infectious Diseases 1. Causes, types, symptoms, diagnosis and prevention of Tuberculosis and Hepatitis	Mr. Bubul Das	Lecture, Tutorial Total Hours:12
V	Tumours Types (Benign/Malignant), Detection and metastasis; Medical imaging: X-Ray of Bone fracture, PET, MRI and CT Scan (using photographs).	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Total Hours:12

DISCIPLINE SPECIFIC CORE COURSE/GENERAL ELECTIVE

Course Code: ZOODSC/GE-401 T

Credits= 04; Full Marks: Theory= 50, Internal= 20 (Theory= 14, Attendance= 06)

Name of Course:: Genetics and Evolutionary Biology (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Genetics and Mendelian Genetics 1. Mendel's work on transmission of traits, Genetic Variation, Molecular basis of Genetic Information 2. Principles of Inheritance, Chromosome theory of inheritance, Incomplete dominance and codominance, Multiple alleles, Lethal alleles, Epistasis, Pleiotropy, sex linked inheritance, extra-chromosomal inheritance	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
II	Linkage, Crossing Over and Chromosomal Mapping 1. Linkage and crossing over, Recombination frequency as a measure of linkage intensity, two factor and three factor crosses, Interference and coincidence, 2. Somatic cell genetics – an alternative approach to gene mapping	Dr. Sarbojit Thakosen	Lecture, Tutorial Seminar, Test Total Hours:12
III	Mutations 1. Chromosomal Mutations: Deletion, Duplication, Inversion, Translocation, Aneuploidy and Polyploidy; 2. Gene mutations: Induced versus Spontaneous mutations, Back versus Suppressor mutations,	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Total Hours:12
IV	History of Life and Evolutionary Theories 1. Major Events in History of Life Lamarckism, Darwinism, Neo-Darwinism 2. Types of fossils, Incompleteness of fossil record, Dating of fossils, Phylogeny of horse	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Total Hours:12

V	Processes of Evolutionary Change and Species Concept 1. Organic variations; Isolating Mechanisms; Natural selection (Example: Industrial melanism); Types of natural selection (Directional, Stabilizing, Disruptive), Artificial selection 2. Biological species concept (Advantages and Limitations); Modes of speciation (Allopatric, Sympatric)	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
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Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks (Theory=14, Attendance=06) for each course in each semester.

Course Code: ZOODSC/GE-401 P

Credits= 02; Full Marks= 30 (Practical)

Name of Course:: Genetics and Evolutionary Biology (Theory)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Study of Mendelian Inheritance and gene interactions (Non Mendelian Inheritance) using suitable examples. Verify the results using Chi-square test.	Mrs. Anima Das	Lecture, Practical Total Hours: 5
2	Study of Human Karyotypes (normal and abnormal) using pictures and models.	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5
3	Study of fossil evidences from plaster cast models and pictures	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
4	Study of homology and analogy from suitable specimens/ pictures	Mr. Bubul Das	Lecture, Practical Total Hours: 5
5	Charts: Phylogeny of horse with diagrams/ cut outs of limbs and teeth of horse ancestors	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5

Experiment= 7 marks; Identification= 14 marks; Regularity= 5 marks; Laboratory Notebook= 2 marks; Viva voce= 2 marks

B.Sc. Sixth SEMESTER Honours Programme

DISCIPLINE SPECIFIC CORE COURSES

Course Code: ZOOHCC-601 T

Credits= 04; Full Marks: Theory= 50, Internal= 20 (Theory= 14, Attendance= 06)

Name of Course:: Developmental Biology (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction 1. Historical perspective and basic concepts: Phases of development, Cell-cell interaction, Pattern formation, Differentiation and growth, Differential gene expression 2. Cytoplasmic determinants and asymmetric cell division	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
II	Early Embryonic Development 1. Gametogenesis: Spermatogenesis, Oogenesis; Types of eggs, Egg membranes 2. Fertilization (External and Internal): Changes in gametes, Blocks to polyspermy; Planes and patterns of cleavage 3. Types of Blastula; Fate maps (including Techniques); 4. Early development of frog and chick up to gastrulation; 5. Embryonic induction and organizers	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
III	Late Embryonic Development 1. Fate of Germ Layers – Fate Map 2. Extra-embryonic membranes in birds and mammals 3. Implantation of embryo in humans, Placenta (Structure, types and functions of placenta)	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Remedial Total Hours:12
IV	Post Embryonic Development 1. Metamorphosis: Changes, hormonal regulations in amphibians and insects; 2. Regeneration: Modes of regeneration, epimorphosis, morphallaxis and compensatory regeneration (with one example each); 3. Ageing: Concepts and Theories	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Total Hours:12
V	Implications of Developmental Biology 1. Teratogenesis: Teratogenic agents and their effects on embryonic development; 2. <i>In vitro</i> fertilization, 3. Stem cell (ESC), Amniocentesis	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Total Hours:12

Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks (Theory=14, Attendance=06) for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

Course Code: ZOOHCC-601 P
Credits= 02; Full Marks= 30 (Practical)
Name of Course:: Developmental Biology (Practical)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Study of whole mounts and sections of developmental stages of frog through permanent slides: Cleavage stages, blastula, gastrula	Mr. Bubul Das	Lecture, Practical Total Hours: 5
2	Study of whole mounts of developmental stages of chick through permanent slides: Primitivestreak (13 and 18 hours), 21, 24, 28, 33, 36, 48, 72, and 96 hours of incubation	Mrs. Anima Das	Lecture, Practical Total Hours: 5
3	Study of the developmental stages and life cycle of <i>Drosophila</i> through audio-visual aids	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
4	Study of different sections of placenta (photomicrograph/slides)	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5
5	Project report on <i>Drosophila</i> culture/chick embryo development	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5

Identification= 14 marks; Project= 7 marks; Regularity= 5 marks; Laboratory Notebook= 2 marks; Viva voce= 2 marks

Course Code: ZOOHCC-602 T
Credits= 04; Full Marks: Theory= 50, Internal= 20 (Theory= 14, Attendance= 06)
Name of Course:: Evolutionary Biology (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	1. Life's Beginnings: Chemogeny, RNA world, Biogeny, 2. Origin of photosynthesis, Evolution of eukaryotes 3. Historical review of evolutionary concept: Lamarckism, Darwinism, Neo-Darwinism	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Total Hours:12
II	1. Evidences of Evolution: Fossil record (types of fossils, transitional forms, geological timescale, evolution of horse 2. Neutral theory of molecular evolution, molecular clock; 3. Sources of variations: Heritable variations and their role in evolution	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
III	1. Population genetics: Hardy-Weinberg Law (statement and derivation of equation);	Dr. Sarbojit Thaosen	Lecture, Tutorial

	2. Natural selection (concept of fitness): Density-dependent selection, heterozygous superiority, kin selection, sexual selection. 3. Genetic Drift (mechanism, founder's effect, bottleneck phenomenon) 4. Role of Migration and Mutation in changing allele frequencies		Seminar, Test Remedial Total Hours:12
IV	1. Product of evolution: Micro evolutionary changes (inter-population variations, clines, Races; Species concept) 2. Isolating mechanisms, modes of speciation—allopatric, sympatric; Adaptive radiation /macroevolution (exemplified by Galapagos finches and mammals) 3. Extinctions, Background and mass extinctions (causes and effects)	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Remedial Total Hours:12
V	1. Origin and evolution of man, Unique hominid characteristics contrasted with primate characteristics, primate phylogeny from <i>Dryopithecus</i> leading to <i>Homo sapiens</i> 2. Phylogenetic trees, Construction of phylogenetic trees and their interpretation	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Total Hours:12

Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks (Theory=14, Attendance=06) for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

Course Code: ZOOHCC-602 P
Credits= 02; Full Marks= 30 (Practical)
Name of Course:: Evolutionary Biology (Practical)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Study of fossils from models/ pictures	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
2	Study of homology and analogy from suitable specimens	Mr. Bubul Das	Lecture, Practical Total Hours: 5
3	Study and verification of Hardy-Weinberg Law by chi square analysis frequencies using simulation studies	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5
4	Graphical representation and interpretation of data of height/ weight of a sample of 100 humans in relation to their age and sex.	Mr. Bubul Das	Lecture, Practical Total Hours: 5

Identification= 15 marks; Project= 6 marks; Regularity= 5 marks; Laboratory Notebook= 2 marks; Viva voce= 2 marks

DISCIPLINE SPECIFIC ELECTIVE COURSES

Course Code: ZOODSE-601 T

Credits= 04; Full Marks: Theory= 50, Internal= 20 (Theory= 14, Attendance= 06)

Name of Course:: Reproductive Biology (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Reproductive Endocrinology 1. Reproductive System of Rat and Human: Development and differentiation of gonads, genital ducts, external genitalia. 2. Gonadal hormones and mechanism of hormone action, steroids, glycoprotein hormones, and prostaglandins, hypothalamo – hypophyseal – gonadal axis	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Hours:12
II	Functional Anatomy of Male Reproduction 1. Outline and histology of male reproductive system in rat and human; 2. Testis: Cellular functions, germ cell, stem cell renewal; 3. Spermatogenesis: kinetics and hormonal regulation; Epididymal function and sperm maturation; 4. Accessory glands functions; Sperm transportation in male tract	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
III	Functional Anatomy of Female Reproduction 1. Outline and histology of female reproductive system in rat and human; 2. Ovary: folliculogenesis, ovulation, corpus luteum formation and regression; Steroidogenesis and secretion of ovarian hormones;	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Remedial Total Hours:12
IV	Hormonal regulation of Female Reproductive Cycles 1. Reproductive cycles (rat and human) and their regulation, changes in the female tract; Ovum transport in the fallopian tubes; Sperm transport in the female tract, fertilization; Hormonal control of implantation; 2. Hormonal regulation of gestation, pregnancy diagnosis, foeto –maternal relationship; 3. Mechanism of parturition and its hormonal regulation; Lactation and its regulation	Mrs. Madhumita Daolagupu	Lecture Tutorial Seminar, Test Remedial Total Hours:12
V	Reproductive Health 1. Infertility in male and female: causes, diagnosis and management 2. Assisted Reproductive Technology: sex selection, sperm banks, frozen embryos, in vitro fertilization and embryo transfer 3. Modern contraceptive technologies; Family planning	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Remedial Total Hours:12

Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks (Theory=14, Attendance=06) for each course in each semester.

Course Code: ZOODSE-601 P
Credits= 02; Full Marks= 30 (Practical)
Name of Course:: Reproductive Biology (Practical)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Study of animal house through powerpoint presentation: set up and maintenance of animal house, breeding techniques, care of normal and experimental animals.	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
2	Surgical techniques through powerpoint presentation: principles of surgery in endocrinology. Ovaryectomy, hysterectomy, castration and vasectomy in rats.	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5
3	Examination of histological sections from photomicrographs/ permanent slides of rat/human: testis, epididymis and accessory glands of male reproductive systems;	Mrs. Anima Das	Lecture, Practical Total Hours: 5
4	Sections of ovary, fallopian tube, uterus (proliferative and secretory stages), cervix and vagina.	Mrs. Anima Das	Lecture, Practical Total Hours: 5
5	Study of permanent slides of T.S. of mammalian testes and ovary	Mr. Bubul Das	Lecture, Time: 5h
6	Project on artificial insemination in cattle population	Dr. Sarbojit Thaosen	Lecture, Time: 5h

Identification= 14 marks; Project= 7 marks; Regularity= 5 marks; Laboratory Notebook= 2 marks; Viva voce= 2 marks

Course Code: ZOODSE-602 T
Credits= 04; Full Marks: Theory= 50, Internal= 20 (Theory= 14, Attendance= 06)
Name of Course:: Animal Behavior and Chronobiology (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Animal Behaviour 1. Origin and history of Ethology; 2. Brief profiles of Karl Von Frish and Ivan Pavlov, Proximate and ultimate causes of behaviour, 3. Methods and recording of a behaviour	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Remedial Total Hours: 12
II	Patterns of Behaviour 1. Stereotyped Behaviours (Orientation, Reflexes); Individual Behavioural patterns; 2. Instinct vs. Learnt Behaviour; 3. Associative learning, classical and operant conditioning, Habituation, Imprinting.	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Remedial Total Hours: 12
III	Social and Sexual Behaviour 1. Social Behaviour: Concept of Society; Communication and the senses; 2. Altruism; Insects' society with Honeybee as example;	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Remedial

	3. Sexual Behaviour: Asymmetry of sex, Sexual dimorphism, Mate choice, 4. Intra-sexual selection (male rivalry), Inter-sexual selection (female choice),		Total Hours:12
IV	Introduction to Chronobiology 1. Historical developments in chronobiology; Biological oscillation: the concept of Average, amplitude, phase and period. 2. Biological clocks: Adaptive significance of biological clocks; 3. Chronopharmacology, Chronomedicine, Chronotherapy: Role of melatonin	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Remedial Total Hours:12
V	Biological Rhythm 1. Types and characteristics of biological rhythms: Short- and Long- term rhythms; 2. Circadian rhythms; Tidal rhythms and Lunar rhythms; Concept of synchronization and masking; Circannual rhythms; 3. Photoperiod and regulation seasonal reproduction of vertebrates	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Remedial Total Hours:12

Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two unit tests of 20 marks (Theory=14, Attendance=06) for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two unit tests will be counted in the university conducted end semester examinations.

Course Code: ZOODSE-602 P

Credits= 02; Full Marks= 30 (Practical)

Name of Course:: Animal Behavior and Chronobiology (Practical)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	To study nests and nesting habits of the birds and social insects.	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 10
2	To study geotaxis behaviour in earthworm.	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
3	To study the phototaxis behaviour in insect larvae.	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
4	Visit to Forest/ Wild life Sanctuary/Biodiversity Park/Zoological Park preferably outside Assam to study behavioural activities of animals and prepare a field report on their observations.	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 15
5	Study of circadian functions in humans (daily eating, sleep and temperature patterns).	Mrs. Madhumita Daolagupu	Lecture, Practical Total Hours: 5

Experiment= 7 marks; Field Report= 14 marks; Regularity= 5 marks; Laboratory Notebook= 2 marks; Viva voce= 2 marks

SKILL ENHANCEMENT COURSES

Course Code: ZOOSEC-601 T

Credits= 04; Full Marks: Theory= 50

Name of Course:: Sericulture (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction <ol style="list-style-type: none"> 1. Sericulture: Definition, history and present status; Silk route 2. Types of silkworms, Distribution and Races 3. Exotic and indigenous races; Mulberry and non-mulberry Sericulture 	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Remedial Total Hours:12
II	Biology of Silkworm <ol style="list-style-type: none"> 1. Life cycle of <i>Bombyx mori</i> 2. Structure of silk gland and secretion of silk 	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Total Hours:12
III	Rearing of Silkworms <ol style="list-style-type: none"> 1. Selection of mulberry variety and establishment of mulberry garden Rearing house and rearing appliances; 2. Disinfectants: Formalin, bleaching powder, RKO; 3. Silkworm rearing technology: Early age and Late age rearing Types of mountages; Spinning, harvesting and storage of cocoons 	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Remedial Total Hours:12
IV	Pests and Diseases <ol style="list-style-type: none"> 1. Pests of silkworm: Uzi fly, dermestid beetles and vertebrates 2. Pathogenesis of silkworm diseases: Protozoan, viral, fungal and bacterial Control and prevention of pests and diseases 	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Remedial Total Hours:12
V	Entrepreneurship in Sericulture <ol style="list-style-type: none"> 1. Prospectus of Sericulture in India: Sericulture industry in different states, employment, potential in mulberry and non-mulberry sericulture. 2. Visit to various sericulture centers 	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Remedial Total Hours:12

Plan for Implementation of B.Sc. (Zoology) Honours and B.Sc. (Zoology) Pass Non-CBCS Programme

The different units and topics thereof of the Zoology Honours Course of B.Sc. Programme have been allotted to individual teachers of the department as mentioned in the following tables for the Even semesters from January 2020 to June 2020. Details of plan for each unit and topics will be designed by each of the teachers to whom the units and topics are allotted. As per the guidelines of the University, internal assessment will be done by taking two unit tests of 25 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations though the marks secured in Internal Assessment will not be counted in the university conducted examinations for each semester.

B.Sc. 6th SEMESTER Honours Programme**Paper: ZOOH-601****Lecture= 60, Full Marks= 35, Pass Marks= 12****Name of the Paper:: Physiology & Bioinformatics (Theory)**

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Stress Physiology: i) Basic concept of environmental stress and strain. ii) Nervous control of stress physiology; Role of adrenal in resisting stress. iii) Concept of homeostasis, Endothermy and physiological mechanism of regulation of body temperature.	Mrs. Madhumita Daolagupu	Lecture Tutorial Seminar, Test Remedial Total Hours:12
II	Adaptive Physiology-I: i) Adaptation, acclimation and acclimatization ii) Physiological adaptation to osmotic and ionic stress, mechanism of cell volume regulation	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Hours:12
III	Adaptive Physiology-II: i) Osmoregulation in freshwater, marine and terrestrial environments ii) Bioelectrogenesis in fishes iii) Bioluminescence in animals and its chemistry	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Total Hours:12
IV	Bioinformatics-I: i) Historical perspective on computer and their application to biology ii) Operating System (WINDOWS)	Mr. Bubul Das	Lecture, Tutorial Total Hours:12

V	Bioinformatics-II: i) Biological Database ii) Human genome project- Basic ideas	Mr. Bubul Das	Lecture, Tutorial Total Hours:12
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Paper: ZOOH-602
Lecture= 60, Full Marks= 35, Pass Marks= 12
Name of the Paper:: Applied Zoology-I (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Applied Entomology-I: i) Stored grain pest: Rice weevil (<i>Sitophilus oryzae</i>), Khapra beetle (<i>Trogoderma granarium</i>) & Pulse beetle (<i>Callosobruchus chinensis</i>) ii) Tea pest- Red spider mite (<i>Oligonychus coffeae</i>)	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Remedial Total Hours:12
II	Applied Entomology-II: i) Paddy pest- Stem borer (<i>Tryporya incertulus</i>), Gandhi bug (<i>Leptocorisa acuta</i>), Rice hispa (<i>Dicladispa armigera</i>) ii) Principles of integrated pest management	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Total Hours:12
III	Medical Zoology-I: i) Introduction to Parasitology ii) Brief accounts of life history, mode of infection and pathogenicity of the following pathogens a) Pathogenic Protozoans: <i>Entamoeba</i> , <i>Leishmania</i> , <i>Giardia</i> b) Pathogenic Helminthes: <i>Echinococcus</i> , <i>Ancylostoma</i>	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Total Hours:12
IV	Medical Zoology-II: Epidemic diseases, such as typhoid, cholera, small pox, their occurrence and eradication programmes	Mrs. Anima Das	Lecture, Tutorial Total Hours:12
V	Fisheries: i) Riverine & beel fisheries in Assam ii) Bundh breeding and induced breeding iii) Composite fish culture, Integrated fish farming with poultry, duckery and piggery	Dr. Sarbojit Thaosen	Lecture, Tutorial Total Hours:12

Paper: ZOOH-603

Lecture= 60, Full Marks= 35, Pass Marks= 12

Name of the Paper:: Applied Zoology-II & Biophysics (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Aquaculture: i) Common fish diseases with their remedial measure- EUS, Ichthyophthiriasis Saprolegniasis, Furunculosis, Dropsy, Argulosis and Lernaeosis	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Hours:12
II	Wildlife Management-I: i) Introduction; Values of Wildlife, Depletion and necessity of conservation of wildlife ii) Conservation and management of wild life in India iii) Knowledge of wildlife sanctuaries, National Parks, Biosphere reserves iv) Kaziranga National Park, Project Tiger	Mrs. Anima Das	Lecture, Tutorial Remedial Seminar, Test Total Hours:12
III	Wildlife Management-II: i) General concept of Biodiversity and its conservation, Activities of IUCN, WWF, and Red Data Book and Biodiversity convention. ii) Habit, Habitat and Ethology of Rhinoceros, Pigmy Hog, Hoolock Gibbon, Gangetic river Dolphin.	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Hours:12
IV	Biophysics-I: i) Introduction- Definition, concept and division of Biophysics ii) pH- Definition, Biological importance, Indicator- Definition, type, Biological application iii) Buffer- Definition, Buffer in Biological system and their significance.	Mrs. Madhumita Daolagupu	Lecture, Tutorial Remedial Total Hours:12
V	Biophysics-II: i) Diffusion- Definition and types, Osmosis and Osmotic pressure- Definition, salient feature of osmotic pressure and Biological importance ii) Adsorption and viscosity- Definition, adsorption and absorption, factors influencing the viscosity, biological importance of adsorption. iii) Colloids- Definition, phases, difference between lyophobic and lyophilic, importance.	Mrs. Madhumita Daolagupu	Lecture, Tutorial Remedial Test Total Hours:12

Paper: ZOOH-604 (Practical)
Lecture= 60, Full Marks= 90, Pass Marks= 30
Group- A (Marks-45)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Determination of ABO blood groups & Rh factor in man	Mrs. M. Daolagupu	Practical, Hours: 5
2	Total count of WBC and RBC	Mrs. M. Daolagupu	Practical, Hours: 5
3	Determination of activity of Pepsin on Protein	Dr. Sarbojit Thaosen	Practical, Hours: 5
4	Study of Polytene chromosomes from any suitable material	Mrs. M. Daolagupu	Practical, Hours: 5
5	Determination of population by quadrat method	Mrs. Anima Das	Practical, Hours: 5
6	Determination of temperature, pH & dissolved O ₂ in water	Dr. Sarbojit Thaosen	Practical, Hours: 5
7	Recording of atmospheric temperature & relative humidity	Mr. Bubul Das	Practical, Hours: 5
8	Qualitative study of phytoplankton & zooplankton	Mr. Bubul Das	Practical, Hours: 5
9	Study of frog/toad development through prepared slides and models	Mrs. Anima Das	Practical, Hours: 5
10	Study of whole mount of chick embryos 18 hrs, 33-36 hrs, 48 hrs, 72 hrs and 96 hrs of development	Mrs. Anima Das	Practical, Hours: 5
11	Computer aided techniques for data presentation, computer MS Words	Mr. Bubul Das	Practical, Hours: 5
12	Drosophila culture	Dr. Sarbojit Thaosen	Practical, Hours: 5
13	Identification of food fishes, exotic fishes, prawns, crabs	Dr. Sarbojit Thaosen	Practical, Hours: 5
14	The Academic Field Study to include visits to some places of Zoological importance Museum, Advanced laboratories preferably outside Assam, in order to acquaint the students with the recent development in the subject. A report is to be prepared independently by each student to be certified by the Teacher-in-charge and to be submitted at the time of the Examination.	Dr. Sarbojit Thaosen	Practical, Hours: 15

Group- B (Marks-45)

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Study of life cycle of any insect & an amphibian from museum specimen	Mr. Bubul Das	Practical, Hours: 5
2	Preparation of pituitary extract from fish	Dr. Sarbojit Thaosen	Practical, Hours: 5
3	Study of laboratory equipments such as: Autoclave, hot air oven, incubator, water bath, centrifuge, refrigerator, calorimeter, pH meter, haemoglobinometer, microtome and balances	Mr. Bubul Das	Practical, Hours: 5
4	Measurement of O ₂ uptake by animals (cockroach/toad/rat)	Mrs. M. Daolagupu	Practical, Hours: 5

5	Determination of minimum size of Quadrate	Mrs. M. Daolagupu	Practical, Hours: 5
6	Analysis of producers and consumers in aquatic ecosystem	Mrs. M. Daolagupu	Practical, Hours: 5
7	To study pH and moisture content of soil	Mr. Bubul Das	Practical, Hours: 5
8	To study the physical characteristics of soil texture, colour and temperature	Mr. Bubul Das	Practical, Hours: 5
9	To determine the turbidity, temperature and light intensity of water,	Dr. Sarbojit Thaosen	Practical, Hours: 5
10	a)Identification of insect pest: Paddy pest: (<i>Tryporyza incertulus</i> , <i>Sesamia inferens</i> , <i>Hispa armigera</i> , <i>Leptocorisa varicornis</i>)	Mr. Bubul Das	Practical, Hours: 5
	b)Stored grain pests: (<i>Sitophilus oryzae</i> , <i>Tribolium eastanium</i> , <i>Tribolium confusum</i> , <i>Oryzaephilus surinamesis</i> , <i>Rhizopertha dominica</i>)	Mr. Bubul Das	Practical, Hours: 5
	c)Identification of fishes: <i>Labeo rohita</i> , <i>L. gonius</i> , <i>L. calbasu</i> , <i>Cirrhina mrigala</i> , <i>Catla catla</i> & one exotic carp	Dr. Sarbojit Thaosen	Practical, Hours: 5
	d)Identification of Zooparasites: <i>Plasmodium</i> , <i>Trypanosoma</i> , <i>Giardia</i> , <i>Entamoeba</i> , <i>Fasciola</i> , <i>Echinococcus</i> , <i>Oxyuris</i> , <i>Taenia</i> , <i>Trichinella</i>	Mrs. Anima Das	Practical, Hours: 5
11	Project work: based on field/survey/experimental work under the guidance of departmental teacher to be assigned by the department	Dr. Sarbojit Thaosen	Practical, Hours: 15

B.Sc. 6th SEMESTER Pass Course

Paper: ZOOP-601

Lecture= 60, Full Marks= 35, Pass Marks= 12

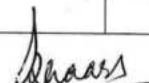
Name of the Paper:: Biomolecules, Developmental Biology & Wild Life Management (Theory)

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Biomolecules: i)Enzymes: Their types, properties & mechanism of enzyme action ii) Vitamins: Types & functions	Mrs. Madhumita Daolagupu	Lecture, Tutorial Seminar, Test Total Hours:12
II	Developmental Biology-I: i)Gametes and gametogenesis ii) Different types of eggs and their structures	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Total Hours:12
III	Developmental Biology-II: i)Fertilization and cleavage pattern ii) Blastulation & gastrulation in Amphioxus, Frog and chick	Dr. Sarbojit Thaosen	Lecture, Tutorial Remedial Total Hours:12
IV	Wild Life Management: i)Depletion and necessity of wild life conservation	Ms. Anima Das	Lecture, Tutorial

	ii) Preliminary knowledge of wild life sanctuary, National Park & Biosphere reserve iii) Kaziranga National Park, Project Tiger		Seminar, Test Total Hours:12
V	Wild Life Management-II: i) Conservation & management of wildlife in India with special reference to North East India ii) General concept of Biodiversity & its conservation iii) Habit, Habitat and ethology of Rhinoceros, Hoolock Gibbon and Gangetic river Dolphin	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Hours:12

Paper: ZOOP-602 (Practical)
Lecture= 60, Full Marks= 30, Pass Marks= 10

Sl. No.	Topic	Teachers to whom allotted	Mode of Teachings
1	Preparation of fixatives & alcoholic grades	Mr. Bubul Das	Practical, Hours: 5
2	Squash preparation of any biological material for the study of mitosis (Onion root tip/ tadpole tail/ any other material may be selected)	Mrs. Madhumita Daolagupu	Practical, Hours: 5
3	Preparation and study of polytene chromosomes in any suitable material (Chironomous larva/ Dipteran larva/ any other)	Mrs. Madhumita Daolagupu	Practical, Hours: 5
4	Biochemical detection of carbohydrate, protein & lipid (at least three test for each to be performed)	Dr. Sarbojit Thaosen	Practical, Hours: 5
5	Study of blastula & gastrula of toad and chick, Study of prepared slides of chick embryo from 18 hours onwards to 96 hours	Mr. Bubul Das	Practical, Hours: 5
6	Study of cell organelle: mitochondria, golgi complex, nucleus	Mr. Bubul Das	Practical, Hours: 5
7	Study of endocrine glands: Pituitary, thyroid, adrenal, pancreas, testis & ovary	Mrs. Anima Das	Practical, Hours: 5
8	Estimation of Haemoglobin content of blood	Mrs. M. Daolagupu	Practical, Hours: 5
9	ABO blood groups & Rh factor determination	Mrs. Anima Das	Practical, Hours: 5
10	Academic field work & submission of a Report based on field study certified by the concerned teacher-in-charge	Dr. Sarbojit Thaosen	Practical, Hours: 5


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**Department of Commerce: Haflong Government College
Plan for Curriculum Implementation**

ACADEMIC SESSION 2019 - 2020

**Prepared by
Curriculum Implementation Committee
Department of Commerce
Haflong Government College**

Department of Commerce: Haflong Government College

Plan for Curriculum Implementation

The Department of Commerce of Haflong Government College has made the following plan for implementation of the Curriculum designed by the affiliating Assam University for the Session 2019-20. Assam University has introduced the TDC CBCS programme for B. Com General as well as B. Com Honours programme from the session 2018-19; which is being implemented accordingly for the students enrolled TDC 1st, 2nd, 3rd and 4th semester respectively for the session 2019-20. The earlier programmes of TDC Commerce Honours and Commerce Pass Course Programme designed by Assam University will also continue for TDC 5th and 6th Semesters in the session 2019-20. The following is the outline plan for implementation of the curriculum for the academic session 2019-20.

ODD SEMESTERS from August 2019 to December 2019

Plan for Implementation of B. Com Honours and B. Com General CBCS Programme

Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two-unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two-unit tests will be counted in the university conducted end semester examinations.

B. Com First SEMESTER Honours Programme Course Code: AECC-1, Credits-04, Full Marks-50 Name of Course: BUSINESS COMMUNICATION

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Nature of Communication	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:08
II	Business Correspondence I	Mr Madan Ch Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	Business Correspondence II	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
IV	Report writing	Mr Madan Ch Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
V	Oral Presentation	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07


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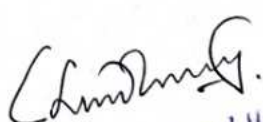
B. Com First SEMESTER Honours Programme
Course Code: BCH-CC-101, Credits-05, Full Marks-70
Name of Course: FINANCIAL ACCOUNTING

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Theoretical framework of accounting	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:05
II	Computerized Accounting System (Tally 9.0)	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
III	Business Income and Final Accounts	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
IV	Accounting for Hire Purchase and Installment system	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
V	Accounting for Inland Branches	Dr Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14

B. Com First SEMESTER Honours Programme
Course Code: BCH-CC-103, Credits-01, Full Marks-30
Name of Course: PRACTICAL ON FINANCIAL ACCOUNTING

II	Computerized Accounting System (Tally 9.0)	Dr Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:30
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B. Com First SEMESTER Honours Programme
First Semester: Course Code: BCH-CC-102, Credits-06, Full Marks-100
Name of Course: BUSINESS LAW

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	The Indian Contract Act, 1972: General Principles of Contract	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
II	The Indian Contract Act: Specific Contracts	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
III	The Sale of Goods Act 1930	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
IV	Partnership Laws- i) The Partnership Act, 1932 ii) The Limited Liability Partnership Act, 2008	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	The Negotiable Instrument Act, 1881	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13


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B. Com First SEMESTER Honours Programme
First Semester: Course Code: BCH-GE-101, Credits-06, Full Marks-100
Name of Course: MICRO ECONOMICS

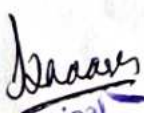
Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Demand and Consumer Behavior	Mr Manoj Kr Singh	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
II	Production and Cost	Mr Manoj Kr Singh	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
III	Perfect Competition	Mr Manoj Kr Singh	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
IV	Monopoly	Mr Manoj Kr Singh	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
V	Imperfect Competition	Mr Manoj Kr Singh	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:16


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B. Com First SEMESTER General (Pass) Programme**Course Code:AECC-1, Credits-04, Full Marks-50****Name of Course: BUSINESS COMMUNICATION**

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Nature of Communication	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:08
II	Business Correspondence 1	Mr Madan Ch Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	Business Correspondence 11	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
IV	Report writing	Mr Madan Ch Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
V	Oral Presentation	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07


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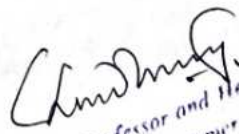
B. Com First SEMESTER Honours Programme
Course Code: BCH-CC-101, Credits-05, Full Marks-70
Name of Course: FINANCIAL ACCOUNTING

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Theoretical framework of accounting	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:05
II	Computerized Accounting System (Tally 9.0)	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
III	Business Income and Final Accounts	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
IV	Accounting for Hire Purchase and Installment system	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
V	Accounting for Inland Branches	Dr Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14

B. Com First SEMESTER Honours Programme
Course Code: BCH-CC-103, Credits-01, Full Marks-30
Name of Course: PRACTICAL ON FINANCIAL ACCOUNTING

II	Computerized Accounting System (Tally 9.0)	Dr Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:30
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B. Com First SEMESTER General (Pass) Programme
Course Code:BCP DSC-101, Credits-05, Full Marks-70
Name of Course: BUSINESS ORGANISATION AND MANAGEMENT


Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Foundation of Indian Business	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:05
II	Business Enterprises	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
III	Management and Organization	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
IV	Leadership, Motivation and Control	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
V	Functional areas of Management	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14

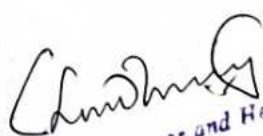

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B. Com 3rd SEMESTER Honours Programme
Course Code: BCH-CC-301, Credits-06, Full Marks-100
Name of Course: HUMAN RESOURCE MANAGEMENT

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to HRM	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
II	Acquisition of Human Resource	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
III	Training and Development	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
IV	Performance Appraisal	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Maintenance of HR	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13


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B. Com 3rd SEMESTER Honours Programme
Course Code: BCH-CC-302, Credits-05, Full Marks-70
Name of Course: INCOME TAX LAW AND PRACTICE

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Income Tax	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
II	Computation of Income under Income from salaries, Income from house property	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
III	Computation of Income under profits or gains of business or profession, capital gains, income from other sources	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
IV	Computation of total income and tax liability	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
V	Preparation of Return of Income	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10

B. Com 3rd SEMESTER Honours Programme
Course Code: BCH-CC-304, Credits-01, Full Marks-30
Name of Course: PRACTICAL ON INCOME TAX LAW AND PRACTICE

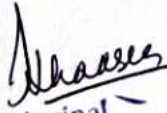
V	Preparation of return on Income	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:26
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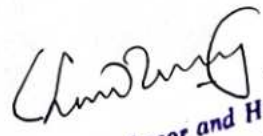
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Associate Professor and Head,
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B. Com 3rd SEMESTER Honours Programme
Course Code: BCH-CC-303, Credits-06, Full Marks-100
Name of Course: MANAGEMENT PRACTICE AND APPLICATIONS

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Management	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
II	Planning	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
III	Organizing	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
IV	Staffing and Leading	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Controlling	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13

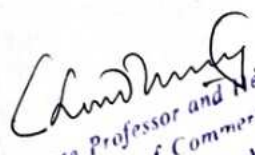

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B. Com 3rd SEMESTER Honours Programme
Course Code: BCH-SEC-301, Credits-03, Full Marks-35
Name of Course: E-COMMERCE

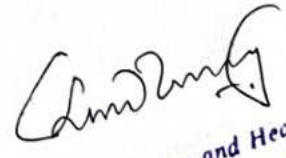
Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to E-Commerce	Dr Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
II	Security and Encryption and IT Act	Dr Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	E-Payment system	Dr Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
IV	Online Business Transactions	Dr Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Website Designing	Dr Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14


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B. Com 3rd SEMESTER Honours Programme
Course Code: BCH-SEC-302, Credits-01, Full Marks-15
Name of Course: PRACTICAL ON E-COMMERCE

IV	Online Business Transactions	Dr Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Website Designing	Dr Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14



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B. Com 3rd SEMESTER Honours Programme
Course Code: BCH-GE-301, Credits-05, Full Marks-70
Name of Course: BUSINESS STATISTICS

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Statistical data and Descriptive Statistics	Dr. A. Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
II	Probability and probability distribution	Mr. S. Chakraborty	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
III	Simple correlation and Regression Analysis	Dr. A. Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
IV	Index numbers and Time Series	Mr. S. Chakraborty	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
V	Sampling concepts, Sampling distributions and Estimation	Dr. A. Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14


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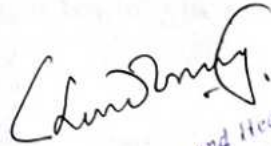
B. Com 3rd SEMESTER General (Pass) Programme

Course Code:BCP-DSC-301, Full Marks-70

Name of Course: COMPANY LAW

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Company Law	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
II	Important Documents	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	Management & Meeting of shareholders	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
IV	Dividends	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Winding up of Companies	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14


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B. Com 3rd SEMESTER General (Pass) Programme
Course Code:BCP-DSC-302, Full Marks-70
Name of Course: INCOME TAX LAW AND PRACTICE

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Income Tax	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
II	Computation of Income under Income from salaries, Income from house property	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
III	Computation of Income under profits or gains of business or profession, capital gains, income from other sources	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
IV	Computation of total income and tax liability	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
V	Preparation of Return of Income	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10

Course Code:BCP-DSC-303, Credits-01, Full Marks-30
Name of Course: PRACTICAL ON INCOME TAX LAW AND PRACTICE

V	Preparation of return on Income	Mr Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:26
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B. Com 3rd SEMESTER General (Pass) Programme
Course Code:BCP-SEC-301, Credits-03, Full Marks-35
Name of Course: E-COMMERCE

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to E-Commerce	Dr Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
II	Security and Encryption and IT Act	Dr Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	E-Payment system	Dr Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
IV	Online Business Transactions	Dr Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Website Designing	Dr Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14

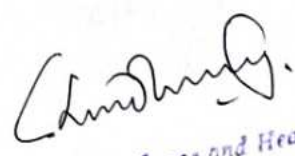

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B. Com 3rd SEMESTER General (Pass) Programme
Course Code:BCP-SEC-302, Credits-01, Full Marks-15
Name of Course: PRACTICAL ON E-COMMERCE

IV	Online Business Transactions	Dr Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Website Designing	Dr Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14


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Plan for TDC Programme for 5th Semester from August 2019 to December 2019

The different units and topics thereof of the Courses of B. Com Programme have been allotted to individual teachers as mentioned in the following tables. Details of plan for each unit and topic will be designed by each of the teachers to whom the units of the course/ courses are allotted. As per the guidelines of the university, internal assessment will be done by taking two-unit tests of 25 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations though the marks secured in Internal Assessment will not be reflected in the university conducted end semester examinations for each semester.

B. Com 5th SEMESTER Honours(Accounting & Finance/ Management)) Programme
Course Code: BCMH 501, Full Marks-35
Name of Course: INFORMATION TECHNOLOGY IN BUSINESS - I

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Information Revolution & IT	Dr. Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours: 05
II	Fundamental of Computer	Dr. Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours: 05
III	MS Word & Excel	Mr. Sekhar Chakraborty	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours: 05
IV	Data Base Management System	Mr. Sekhar Chakraborty	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:05


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B. Com 5th SEMESTER Honours (Accounting & Finance/ Management) Programme

Course Code: BCMH A 502, Full Marks-50

Name of Course: LAW AND PRACTICE OF TAXATION – I

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Income Tax Act – Heads of Income	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
II	Computation of Tax Liability	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	Assessment of Collection of Tax	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours: 07
IV	Tax Administration	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
V	Wealth Tax Act, 1957	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours: 07


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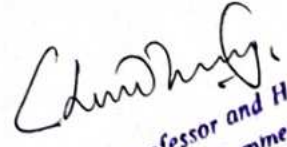
B. Com 5th SEMESTER Honours (Accounting & Finance) Programme

Course Code: BCMH 503, Full Marks-50

Name of Course: MANAGEMENT ACCOUNTING-I

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Concept of Management Accounting	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
II	Standard Costing	Mr. Madan Chandra Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
III	Variance Analysis	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
IV	Budgetary Analysis	Mr. Madan Chandra Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13


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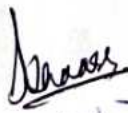

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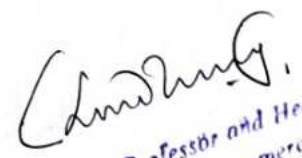
B. Com 5th SEMESTER Honours (Management) Programme

Course Code: BCMH 502, Full Marks- 50

Name of Course: HUMAN RESOURCE MANAGEMENT – I

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Concept & Significance	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
II	Approaches of Personnel Management	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	Human Resource Planning	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
IV	Recruitment and Selection	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
V	Compensation	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07


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B. Com 5th SEMESTER Honours (Management) Programme

Course Code: BCMH 503, Full Marks- 50

Name of Course: ORGANISATIONAL BEHAVIOUR – I

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
II	Goals	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	Human Behaviour	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
IV	Perception and Attitude	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
V	Learning	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07



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B. Com 5th SEMESTER General (Pass) Programme
Course Code:BCMP-502, Full Marks-50
Name of Course: AUDITING

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Elements of Auditing	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
II	Preparation and Conduct of Audit	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	Vouching and Verification and Valuation of Assets and Liabilities	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
IV	Audit of Limited Companies	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
V	Investigation and Audit of Typical Organisation	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07


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B. Com 5th SEMESTER General (Pass) Programme
Course Code:BCMP-503, Full Marks-50
Name of Course: BUSINESS REGULATORY FRAMEWORK

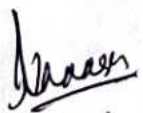
Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Law of Contract – I	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
II	Law of Contract – II	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	Sale of Goods Act, 1930	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
IV	Indian Partnership Act,1932	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours: 07
V	Negotiable Instrument Act,1881	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07

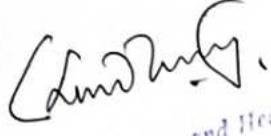
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B. Com 5th SEMESTER General (Pass) Programme
Course Code: BCMP 504, Full Marks-35
Name of Course: INFORMATION TECHNOLOGY IN BUSINESS - I

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Information Revolution & IT	Dr. Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours: 05
II	Fundamental of Computer	Dr. Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours: 05
III	MS Word & Excel	Mr. Sekhar Chakraborty	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours: 05
IV	Data Base Management System	Mr. Sekhar Chakraborty	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:05


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Plan for Curriculum Implementation

EVEN SEMESTERS from January 2020 to June 2020

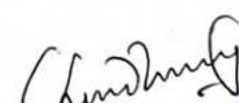
Plan for Implementation of B Com Honours and B Com General CBCS Programme

Continuous and Comprehensive Assessment (CCE): As per the guidelines of the university, internal assessment will be done by taking two-unit tests of 20 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations and the better marks secured out of the two-unit tests will be counted in the university conducted end semester examinations.

B. Com 2nd SEMESTER Honours Programme
Course Code: BCH-CC-201, Credits-06, Full Marks-100
Name of Course: CORPORATE ACCOUNTING

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Accounting for share capital and debentures	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:12
II	Final Accounts of Companies	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:09
III	Valuation of Goodwill and valuation of shares	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:06
IV	Accounting of Holding Companies/Parent Companies	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:12
V	Banking and Insurance Accounts	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:17

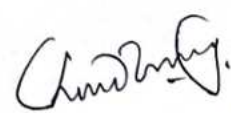

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B. Com 2nd SEMESTER Honours Programme
Course Code: BCH-CC-202, Credits-06, Full Marks-100
Name of Course: COMPANY LAWS

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Corporate Law	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15
II	Documents	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15
III	Management of Companies	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15
IV	Dividends, Accounts.	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15
V	Depositories Law	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:05



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B. Com 2nd SEMESTER Honours Programme
Course Code: BCH-GE-201, Credits-06, Full Marks-100
Name of Course: MACRO ECONOMICS

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Macro Economics	Mr. M.Manoj Kr. Singh	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:05
II	Economy in the short run	Mr. M.Manoj Kr. Singh	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:20
III	Inflation, Unemployment and Labour Market	Mr. M.Manoj Kr. Singh	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:20
IV	Open Economy	Mr. M.Manoj Kr. Singh	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Investments	Mr. M.Manoj Kr. Singh	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07


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B. Com 2nd SEMESTER General (Pass) Programme
Course Code:BCP-DSC-201, Credits-06, Full Marks-100

Name of Course:BUSINESS LAW

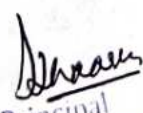
Unit	Topic	Teachers to whom allotted	Mode of Teachings
MI	The Indian Contract Act, 1872; General Principles	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
II	The Indian Contract Act, 1872; Specific Contracts	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
III	The Sale of Goods Act, 1930	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
IV	Partnership Laws a) The Partnership Act, 1932 The Limited Liability Partnership Act, 2008	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	The Negotiable Instrument Act, 1881	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13

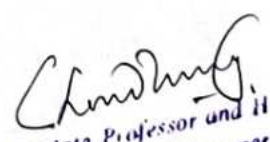

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B. Com 2nd SEMESTER General (Pass) Programme
Course Code:BCP-DSC-201, Credits-06, Full Marks-100
Name of Course: BUSINESS MATHEMATICS AND STATISTICS

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Matrices	Mr. Sekhar Chakraborty	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
II	Differential Calculus	Mr. Sekhar Chakraborty	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
III	Uni-variate analysis	Dr. Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
IV	Bi-variate analysis	Dr. Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Index numbers and Time series	Dr. Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13



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B. Com 4th SEMESTER Honours Programme
Course Code: BCH-CC-401, Credits-06, Full Marks-100
Name of Course: COST ACCOUNTING

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Cost Accounting	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:06
II	Elements of Cost, Material and Labour	Dr Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
III	Elements of Cost Overheads	Dr Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:08
IV	Methods of Costing	Dr Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:28
V	Book Keeping in Cost Accounting	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:09


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B. Com 4th SEMESTER Honours Programme
Course Code: BCH-CC-402, Credits-06, Full Marks-100
Name of Course: BUSINESS MATHEMATICS

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Matrices and Determinants	Mr. S Chakraborty	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
II	Calculus I	Dr. A Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
4III	Calculus II	Mr. S Chakraborty	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
IV	Mathematics of Finance	Dr. A Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
V	Linear Programming	Mr. S Chakraborty	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14

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B. Com 4th SEMESTER Honours Programme

Course Code: BCH-CC-403 & 404, Credits-04+02, Full Marks-70+30

Name of Course: COMPUTER APPLICATIONS IN BUSINESS & PRACTICAL

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Word Processing	Mr. S Chakraborty	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
II	Preparing Presentations	Dr. A Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
4III	Spreadsheet and its business application	Dr. A Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
IV	Creating Business Spreadsheet	Mr. S Chakraborty	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
V	Database Management System	Dr. A Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14

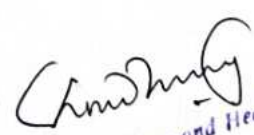

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B. Com 4th SEMESTER Honours Programme
Course Code: BCH-SEC-401, Credits-04, Full Marks-50
Name of Course: ENTREPRENEURSHIP

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Entrepreneurship	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
II	Entrepreneurship in Micro, Small and Medium Enterprises	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	Entrepreneur Support System	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
IV	Sources of Business Idea and Tests	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
V	Mobilizing Resources	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07


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B. Com 4th SEMESTER Honours Programme
Course Code: BCH-GE-401, Credits-06, Full Marks-100
Name of Course: INDIAN ECONPMY

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Basic issues in Economic Development	Mr Manoj Kr Singh	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
II	Basic features of Indian Economy at Independence	Mr Manoj Kr Singh	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
III	Policy Regimes	Mr Manoj Kr Singh	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15
IV	Growth, development and Structural Changes	Mr Manoj Kr Singh	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15
V	Sectoral Trends and Issues	Mr Manoj Kr Singh	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15

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B. Com 4th SEMESTER General (Pass) Programme
Course Code: BCP-DSC-402, Credits-06, Full Marks-100

Name of Course: COST ACCOUNTING

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Cost Accounting	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:06
II	Elements of Cost, Material and Labour	Dr Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
III	Elements of Cost Overheads	Dr Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:08
IV	Methods of Costing	Dr Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:28
V	Book Keeping in Cost Accounting	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:09



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B. Com 4th SEMESTER General (Pass) Programme**Course Code: BCP-SEC-401, Credits-04, Full Marks-50****Name of Course: ENTREPRENEURSHIP**

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Entrepreneurship	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
II	Entrepreneurship in Micro, Small and Medium Enterprises	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	Entrepreneur Support System	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
IV	Sources of Business Idea and Tests	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
V	Mobilizing Resources	Dr Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07

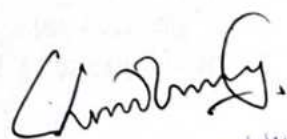

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B. Com 4th SEMESTER General (Pass) Programme
Course Code: BCP-DSC-402, Credits-06, Full Marks-100
Name of Course: CORPORATE ACCOUNTING

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Accounting for share capital and Debentures	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:12
II	Final Accounts	Dr Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:09
III	Valuation of Goodwill and Valuation of Shares	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
IV	Accounting of Holding Companies/Parent Companies	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:12
V	Amalgamation of Companies	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:12


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Plan for TDC Programme for 6th Semester from January 2019 to June 2019

The different units and topics thereof of the Courses of B. Com Programme have been allotted to individual teachers as mentioned in the following tables. Details of plan for each unit and topic will be designed by each of the teachers to whom the units of the course/ courses are allotted. As per the guidelines of the university, internal assessment will be done by taking two-unit tests of 25 marks for each course in each semester. Qualifying the tests is mandatory for appearing in the end semester examinations though the marks secured in Internal Assessment will not be reflected in the university conducted end semester examinations for each semester.

B. Com 6th SEMESTER Honours (Accounting & Finance/ Management) Programme

Course Code: BCMH 601, Full Marks-35

Name of Course: INFORMATION TECHNOLOGY IN BUSINESS-II

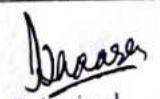
Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Internet	Mr. Sekhar Chakraborty	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
II	E- Commerce	Mr. Sekhar Chakraborty	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	Tally Latest Version	Dr. Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
IV	Power- Point	Dr. Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07

B. Com 6th SEMESTER Honours (Accounting & Finance/ Management) Programme

Course Code: BCMH 605, Full Marks-30

Name of Course: INFORMATION TECHNOLOGY IN BUSINESS (PRACTICAL)

Topic	Teachers to whom allotted	Mode of Teachings
Practical in Computer using MS-Excel, Power Point, Tally, etc.	Dr. Amalendu Choudhury and Mr. Sekhar Chakraborty	Computer teaching*Test Total Teaching Hours:28


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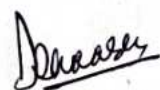

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B. Com 6th SEMESTER Honours (Accounting & Finance) Programme

Course Code: BCMH 602, Full Marks-50

Name of Course: LAW AND PRACTICE OF TAXATION-II

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Basic Concepts	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
II	Assam Value Added Tax Act, 2003	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
III	Central Excise	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15
IV	Central Sales Act	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15
V	Customs	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15


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B. Com 6th SEMESTER Honours (Accounting & Finance) Programme

Course Code: BCMH 603, Full Marks-50

Name of Course: MANAGEMENT ACCOUNTING-II

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Cash Flow for Investment Analysis	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:06
II	Capital Budgeting	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
III	Responsibility Accounting	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:08
IV	Ratio Analysis	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:28
V	Management Information System: (MIS)	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:09


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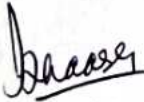

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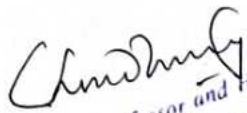
B. Com 6th SEMESTER Honours(Management)Programme

Course Code: BCMH 602, Full Marks-50

Name of Course: HUMAN RESOURCE MANAGEMENT-II

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Performance Appraisal	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:06
II	Industrial Relation	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
III	Regulation and Control	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:08
IV	Trade Union	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:28
V	Collective Bargaining	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:09


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B. Com 6th SEMESTER Honours(Management)Programme

Course Code: BCMH 603, Full Marks-50

Name of Course: ORGANISATIONAL BEHAVIOUR-II

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Motivation	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:08
II	Group Dynamics	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:08
III	Organizational Conflict	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:08
IV	Organizational Change and Effectiveness	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:08
V	Communication	Mr. Dilbudh Urang	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:09


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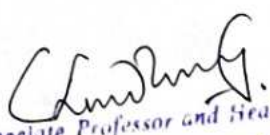
B. Com 6th SEMESTER General (Pass) Programme

Course Code: BCMP 602, Full Marks-50

Name of Course: COMPANY LAW

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Meaning and Nature of a Company	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:18
II	Kinds of Companies and Formation	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:17
III	Membership	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:12
IV	Management	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:12
V	Meeting and Winding Up	Dr. Jyotish Bordoloi	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:06

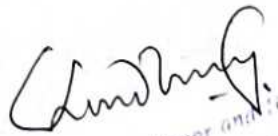

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B. Com 6th SEMESTER General (Pass) Programme
Course Code: BCMP 603, Full Marks-50
Name of Course: ELEMENTS OF INCOME TAX

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Concepts of Income tax	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
II	Incomes from Salary	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
III	Income from Salary (Continued)	Dr. Durlabh Baruah	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
IV	Incomes from House Property	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Administration of Income Tax Act	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13


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B. Com 6th SEMESTER General (Pass) Programme

Course Code: BCMP 604, Full Marks-35

Name of Course: INFORMATION TECHNOLOGY IN BUSINESS - II

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Internet	Mr. Sekhar Chakraborty	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
II	E- Commerce	Mr. Sekhar Chakraborty	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
III	Tally Latest Version	Dr. Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
IV	PowerPoint	Dr. Amalendu Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13


B. Com 6th SEMESTER General (Pass) Programme

Course Code: BCMP 603, Full Marks-30

Name of Course: INFORMATION TECHNOLOGY IN BUSINESS (PRACTICAL)

Topic	Teachers to whom allotted	Mode of Teachings
Practical in Computer using MS-Excel, Powerpoint, Tally, etc.	Dr. Amalendu Choudhury and Mr. Sekhar Chakraborty	Computer teaching*Test Total Teaching Hours:28


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