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 2022-2023. 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 2022-23 for students enrolled in TDC 1st Semester. The following is the outline plan for implementation of the curriculum for the academic session 2022-2023.

ODD SEMESTERS from August 2022 to December 2022

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

BA First SEMESTER Honours Programme

Paper	Name of the Faculties & course		
	Shyamananda Chowdhury	Dr. Sudipta Mahanta	Dr. Sakir Hussain Laskar
BNG HCC-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 HCC-102 Prachin o Madhyayuger Bangla Sahitya	Charya Pad. Baisnav padabali,	Kabikankan Chandi, Chaitnya Bhagbat	Shakto Podavali

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

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.

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Paper	Name of the Faculties & course		
	Shyamananda Chowdhury	Dr. Sudipta Mahanta	Dr. Sakir Hussain Laskar
BNG AEC-101 Sanjoger Rup riti o prayog	Sanjoger Nanarup o Paddhati, Moukhik o lekhya rup. Monologue, Dialogue, Group Discussion	Documentation Report Writing, Prayog-II Galpa Guchha (1) Rabindranath Tagore	Prayog 1, 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)
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 Ganognyapon	Anubad Tattwa, Translation bonam Transcripion, Bangla Anubade Vidyasagar	Anubade Bangla Sahitya, Girish Gosh, Macbeth, Gonogyapon: Tattwa o Prayug	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.

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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 Vasar 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.

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)
Fifth Semester: Course Code:BNGDSE501T & BNGDSE502T

Paper	Name of the Faculties & course		
	Shyamananda Chowdhury	Dr. Sudipta Mahanta	Dr. Sakir Hussain Laskar
BNG DSE-501 Bangla Sishusahitya o Jiboni Sahitya	Sishu Volanath: Rabindranath Tagore, Achena Ajana Vivekananda	Tuntunir Boi: Upendra Kishore Roy Choudhury, Iswar Chandra Vidyasagar	Thakurmar Jhuli: Dakshina Ranjan Mitra Mazumder
BNG SEC-501 Barnanamulak Bangla Vyakaran	Sarbanamer Nanarup, Pad Parichoy	Sabda Tattwa, Samas, Sandhi, Vakya Tattwa	Kriyar Nanarup, padantar

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 2023 TO JUNE 2023
EVEN SEMESTERS from January 2023 to June 2023
Plan for Implementation of B A (Bengali) Honours and B A (Bengali) General CBCS Programme
BA Second SEMESTER Honours Programme

Paper	Name of the Faculties & course		
	Shyamananda Chowdhury	Dr. Sudipta Mahanta	Dr. Sakir Hussain Laskar
BNG HCC-201 Bangla Sahityer Itihas (Adhunik Yug)	Bangla Gadyer Vikash, Bangla Kobitar Itihas	Bangla Upanyas o Bangla Golper Itiihas	Bangla Natoker Itihas
BNG HCC-202 Unish Sataker Bangla Gadya O Natok	Sitar Bonobas, Bisarjan	Nil Darpan	Bibidho Prabandhan, Ekei Ki Bole Savyata

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
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 Itiihas	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.

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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	Lokosongeet
BNG SEC-401 Bangla Loko Natya o Natya Mancha	Lokonatya : Defination & Characteristics, Prasenium 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.

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.

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Plan for implementation of BA (General) Bengali Programme
Sixth Semester: Course Code:BNGDSC601T & BNGSEC 601T

Paper	Name of the Faculties & course		
	Shyamananda Chowdhury	Dr. Sudipta Mahanta	Dr. Sakir Hussain Laskar
BNG DSE-601 Swadhinata Parabarti Bangla Kotha Sahitya	Epar Ganga Opar Ganga (Novel)	Bonofuler Srestha Golpo, Nayaran Gangopadhyayer Shrestra Golpo	Shambo (Novel), Narendra Nath Mitrer Srestha Golpo
BNG SEC-601 Kalpa Bignyan o Fantacy	Pataldangar Tenida, Professor Shanku	Sab Vuture, Vuture Ghari	Ho Yo Bo Ro Lo

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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Department of Economics

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Plan for Curriculum Implementation

ACADEMIC SESSION:2022-2023

Prepared by

Curriculum Implementation Committee

Department of Economics

Haflong Government College

Session-2022-23(General Programme)-CBCS

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 2022-23. The Department Of Economics has planned to implement the B.A. General Programme in the Choice Based Credit System from the session 2022-23. The following is the outline plan for implementation of the curriculum for the academic session 2022-23.

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

ODD SEMESTERS from August 2022 to December 2022

Semester -I

Core Economics I: (Principles of Microeconomics-I)

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

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Semester -III

Core Economics III: (Principles of Macroeconomics-I)

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

Skill Enhancement Course (SEC)-II

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.
D. Bathari	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

ECODSE-501

DSE 1: Economic Development and Policy in India-I

Faculty	Unit no.	Unit name
H.R. Laskar	Unit-I:	Issues in Growth, Development and Sustainability.
D. Bathari	Unit -II:	Factors in Development.
D. Bathari	Unit -III:	Population and Economic Development.
M Das	Unit-IV:	Employment.
B. Kemprai	Unit-V:	Indian Development Experience.

ECOSEC-501

Skill Enhancement Course (SEC)-III

Entrepreneurship and Small Business Development

Faculty	Unit no.	Unit name
H.R. Laskar	Unit-I:	Introduction.
M.Das	Unit -II:	Establishing a Small Enterprise.
Dr. B. Pathari	Unit -III:	Small Enterprises and Enterprise Launching Formalities.
D. Bathari	Unit-IV:	Role of Support Institutions and Management of Small Business.
Dr. B. Pathari	Unit -V:	Microfinance and SHGS.

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EVEN SEMESTERS from January 2023 to June 2023

Semester-II

Core Economics II: (Principles of Microeconomics-II)

Faculty	Unit no.	Unit name
Dr. B. Pathari	Unit-I	Theory of Monopoly.
M. Das	Unit-II	Imperfect Competition.
D. Bathari	Unit -III	Markets and Market Failure.
B. Kemprai	Unit-IV	Income Distribution and Factor Pricing.
Dr. B. Pathari	Unit -V	Welfare Economics.

Semester IV

ECODSC-401

Core Economics IV: Principles of Macroeconomics-II

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

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ECOSEC-401

Skill Enhancement Course(SEC)-II

Understanding the Economic Survey and Union Budget

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

Semester-VI

DSE 6: Public Finance

Faculty	Unit no.	Unit name
D. Bathari	Unit -I	Basic Concepts.
M.Das	Unit -II	Public Revenue and Expenditure.
H.R. Laskar	Unit-III	Principles Of taxation.
B. Kemprai	Unit-IV	Public Debt.
Dr. B. Pathari	Unit -V	Government Budget and Public Finance in India.

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ECOSEC- 601

Skill Enhancement Course(SEC)

Insurance Market and its Products

Faculty	Unit no	Unit name
H.R. Laskar	Unit-I	Introduction.
Dr. B. Pathari	Unit -II	Basic Principles of Insurance.
M.Das	Unit-III	Classification of Insurance Products.
B. Kemprai	Unit-IV	Chain Management in Insurance.
D. Bathari	Unit -V	Regulation of Insurance.

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Session-2022-23

The Department of Economics , Haflong Government College has planned to implement BA Honours Programme in the Choice Based Credit System for the session 2022-23 for the students enrolled in TDC 1st Semester. The different units and topic of BA Honours Programme have been allotted to the following faculty members.

ODD SEMESTERS from August 2022 to December 2022

B.A.(Hons.) Economics

Semester-I

Core Economics Course 1:Introductory Microeconomics

Faculty	Unit no.	Unit name
Dr. B. Pathari	Unit-I	Exploring the subject matter of economics
B.Kemprai	Unit -II	Supply and Demand: How Market Work, Markets and Welfare.
M. Das	Unit-III	Theory of Consumer Behaviour.
H.R. Laskar	Unit-IV	Theory of the Firm and Product Market Structure.
D. Bathari	Unit-V	Input Markets.

Core Economics Course 2:Mathematical Methods in Economics-I

Faculty	Unit no.	Unit name
H.R. Laskar	Unit-I	Preliminaries.
H.R. Laskar	Unit-II	Functions of real variable.
D. Bathari	Unit-III	Derivatives.
Dr. B. Pathari	Unit-IV	Single-variable optimization.
H.R. Laskar	Unit -V	Integration of functions.

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Generic Elective in Economics I: INTRODUCTORY MICROECONOMICS

Faculty	Unit no	Unit name
H.R. Laskar	Unit-I	Exploring the subject matter of economics
D. Bathari	Unit_II	Supply and Demand: How Markets Work, Market and Welfare
D. Bathari	Unit-III	Theory of Consumer Behaviour
Dr. B. Pathari	Unit -IV	Theory of the Firm and Product Market Structure
M. Das	Unit-V	Input Markets

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EVEN SEMESTERS from January 2023 to June 2023

Session-2023-24

Semester-II

ECOHCC-201

Introductory Macroeconomics

Faculty	Unit no.	Unit name
Dr. B. Pathari	Unit-I	Introduction to Macroeconomics and National Income Accounting.
B. Kemprai	Unit -II	Money.
M.Das	Unit-III	Inflation.
H.R.Laskar	Unit-IV	The Closed Economy in the Short Run.
D.Bathari	Unit -V	International Trade.

ECOHCC -202

Mathematical Methods in Economics-II

Faculty	Unit no.	Unit name
H.R.Laskar	Unit-I	Differential Equations.
H.R.Laskar	Unit -II	Linear Algebra
D.Bathari	Unit-III	Functions of several real variables.
H.R.Laskar	Unit-IV	Multi-variable optimization
D.Bathari	Unit -V	Input Output Analysis.

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Generic Elective in Economics II: INTRODUCTORY MACROECONOMICS

Faculty	Unit no.	Unit name
H.R.Laskar	Unit-I	Introduction to Macroeconomics and National Income Accounting
D.Bathari	Unit-II	Money
B.Kemprai	Unit-III	Inflation
H.R.Laskar	Unit-IV	The Closed Economy in the Short Run
M.Das	Unit-V	International Trade

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DEPARTMENT OF ENGLISH : HAFLONG GOVERNMENT COLLEGE

PLAN FOR CURRICULUM IMPLEMENTATION

ACADEMIC SESSION 2022-2023

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 2022-2023.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 g is the outline plan for implementation of the curriculum for the academic session 2022-2023.

Odd and Even Semesters from 2022– 2023

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

ODD SEMESTER2022-2023

DEBBIE PAKHUONGTE

Honours I	Unit 1 (History) Renaissance Poetry William Shakespeare : Sonnet 73,133 Unit 5 : Mulk Raj Anand : Two Lady Rams	101 101 102
Discipline Specific Core I Sem	Unit 1 – Elizabethan Sonnet Tradition Unit 2 – William Shakespeare Sonnet 65,116	
English as a Language I Sem	Richard Wright – Twelve Million Black Voices	
Honours III	Unit 5 – Horace Satires 1:4 in Horace : Satires and Epistles and Persius : Satires ,tr. Niall Rudd Unit3 – Charlotte Perkins Gilman : The Yellow Wall C	302 303
Discipline Specific Core 3rd Sem	Unit 2 : W.B. Yeats : The Second Coming Philip Larkins : Church Going	
Alternative English 3rd Sem	Unit 1 : Emily Dickinson : Because I could not Stop for Death The Soul Selects her Own Society	301 301
Honours V	Conrad : heart of Darkness Unit 2 Bertolt Brecht : Mother Courage	501 502
Discipline Specific Elective (General)	Unit 5 G.Kalyana Rao : Untouchable Spring	501
General English	Unit 1 Elizabethan Sonnet Tradition Unit 2 William Shakespeare Sonnet No 65 and 116 John Milton : On His Blindness	501 502 501

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DINESH TIWARI

Honours I	Unit 1(history) Drama Before Shakespeare Unit 4 (drama)Christopher Marlowe :Dr. Faustus C2 (History)short Story in the Pre-Independence Period Sashi Deshpande : The intrusion Spencer : Amoretti- 75	 101 101 102 101
Discipline Specific Core I Sem	Spencer : Amoretti- 75 John Donne – A Valediction Forbidding Mourning The Metaphysical Tradition	101 101 101
English as a Language I Sem	Tolstoy : God Sees the Truth but Waits Job Application	101 101
Honours III	William Congreve : The Way of The World Sophocles :Oedipus The King	301 302
Discipline Specific Core 3rd Sem	Eliot : Preludes Modern Poetry W.H.Auden : The Unknown Citizen	301 301 301
English as a Language	Frost : Mending Wall Booker T. Washington : Struggle for Freedom in Up From Slavery	
Skill Enhancement Course 3rd Sem	Creative Writing Section IV : Writing for the Media	
Honours V	Unit 5 T.S.Eliot : The Love song of J. Alfred Prufrock Sweeney Among the Nightingales Unit 1 : Henrik Ibsen : Ghosts	501 501 501
Discipline Specific Elective (General)	Unit 2 G.M Muktibodh : The Void and So Very Far Amrita Pritam : I Say Unto Waris Shah	501 501
Discipline Specific Elective (Honours)	Unit 1 : Kingsley Amis : Lucky Jim	502
Skill Enhancement Course 3	Unit 3 Writing Reports on Fieldwork/ visit to Industries, Business Concerns etc/Business Negotiation	502 501
General English	Unit 1 Metaphysical Tradition Unit 2 Edmund Spencer : Amoretti No 75 Unit 4 John Donne : A Valediction to Forbidding mourning	501 501 501

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LALPARVUL PAKHUONGTE

Honours I	Unit 1 (History) Renaissance Prose Unit 2 (Poem)Edmund Spencer :Sonnet 67 Unit 1 (History)The Growth of Prose in the late 19th Century Unit2 (Novel) R.K. Narayan : Swami and Friends	101 101 102 101
Discipline Specific Core I Sem	Influence of Puritan Movement Upon English Life And Literature John Donne : A Valediction to Forbidding mourning Unit 1 (History) Beginning of English Novel Unit 5 (Novel) Daniel Defoe : Robinson Crusoe	
English as a Language I Sem	Unit 5 : 1.Job Application Guy de Mauapassant : The Necklace	
Ability Enhancement Compulsory Course I Sem	Unit 3 : Writing Skills, Report Writing, Letter Writing Unit 5 : Comprehension	
Honours III	Unit 1 : The Sentimental novel Unit 5 : Daniel Defoe : Robinson Crusoe Unit 1 : Emily Dickinson : I Cannot Live With You Unit 1 : Sylvia Plath : Daddy	301 301 302 302
Discipline Specific Core 3rd Sem	Unit 4 : William Golding : The Lord of the Flies Modern Fiction	301 301
Alternative English 3rd Sem	Unit 4 : O. Henry : After Twenty Years R.Frost : The Road Not Taken Sylvia Plath : Lady Lazarus	301 301 301
Honours V	Unit 2 Joseph Conrad : Heart of Darkness Unit 4 Samuel Beckett : Waiting for Godot	501 502
Discipline Specific Elective (General)	Premchand : The Shroud Ismat Changtai : The Quilt	501 501
General English	Unit 1 : Beginning of English Novel Unit 5 : Daniel Defoe : Robinson Crusoe Influence of Puritan Movement Upon English Life And Literature	501 501

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LALSANGZUALI TUOLOR

Honours I	Unit 1 (History) Medieval Drama Unit 5 (Drama) John Dryden :MacFlecknoe Unit 3 (History) Growth and Development of Indian English Drama Unit 3 (Drama) Mahesh Dattani : Tara	101 101 102 102
Discipline Specific Core I Sem	Unit 1(History) Influence of Puritan Movement Upon English Life & Literature William Shakespeare : The Merchant of Venice	101 101 101
English as a Language I Sem	Unit 3(Essay) Verrier Elwin : A Pilgrimage to Tawang Paragraph Writing	
Ability Enhancement Compulsory Course I Sem	Unit 4 : Writing Skills I Documenting, Making Notes	
Honours III	Unit 1 – Poetry After Pope The Precursors of Romanticism Unit 4 – Plautus : Pot of Gold Sylvia Plath : Daddy Unit 5 – Mary Wollstonecraft : A Vindication of the Rights of Women	301 302 303
Discipline Specific Core 3rd Sem	Unit 5 (Drama) John Osborne : Look Back in Anger	
Alternative English 3rd Sem	Arthur Miller : All My Sons Unit 4 (Short Story) Earnest Hemingway : The Snows of Kilimanjaro	
Honours 5th Sem	Unit1 (History)Poetry of the First World War Unit 4 W.B. Yeats No Second Troy Sailing to Byzantium	501 501
Discipline Specific Elective (General)	Unit 2 Rabindranath Tagore : Light oh Where is Light and When the Play was With Thee	501
Discipline Specific Elective (Honours)	Unit 3 John Osborne : Look back in anger	502
General English	Unit 1 Influence in the Puritan Movement Upon English Literature W.Shakespeare : The Merchant of Venice Elizabethan Drama	501

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PAPORI SENAPATI

Honours I	The Elizabethan Theatre Prologue- The Knight, The Prioress Indian English Poetry from 1857-1920 The Nature and Scope of Indian English Literature Kamala Das : My Grandmother's House	 103
Discipline Specific Core I Sem	18th Century Satire Alexander Pope : The Rape of the Lock	
English as a Language I Sem	Unit I Grammar I Unit II Grammar II	
Ability Enhancement Compulsory Course I Sem	Reading and Understanding	
Honours III	Homer : The Book Illiad XVIII A.Walker : The Color Purple The Age of Enlightenment The Gothic and the Sublime Emily Dickinson : I Cannot Live With you	302 301 303
Honours V	The Stream of Consciousness Novel Unit 3 Virginia Woolf : Mrs. Dalloway Unit 5 Eugene Ionesco :Rhinoceres	501 502
Discipline Specific Elective (General)	Unit 4 Dharmaveer Bharti :Andhayug	501
Discipline Specific Elective (Honours)	Unit 4 Hanif Qureshi : My Beautiful Launderette	502
General English	Unit 1 : 18th Century Satire Unit 4 : Alexander Pope : The Rape of The Lock(canto1)	501 501
General English	18th Century Satire Pope : The Rape of the Lock	501 501
Skill Enhancement Course	Modes of Creative Writing	501

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SHANKALP LANGTHASA

Course / Paper	Course Allotment
Honours I	John Donne : The Sunne Rising Indian English Literature in the Post Independence Phase
Ability Enhancement Compulsory Course I Sem	Language of Communication
Honours III	T.Gray : Elegy Written in the Church Courtyard MaheswataDevi : Draupadi The Sentimental Novel
Skill Enhancement Course 301	The Creative Writing
Honours V	Drama of Ideas501 Anton Chekhov: Cherry Orchard502
Discipline Specific Elective (Honours)	Philip Larkin : Church Going Seamus Heaney : Casualty
Skill Enhancement Course 501	Writing Minutes of Meetings E.Correspondence
English as a Language 101	Guy de Maupassant : The Necklace
English as a Language 301	Whitman O Captain,My Captain Robert Frost : The Road Not Taken
Discipline Specific Elective(General)	Premchand : The Shroud Ismat Chugtai :The Quilt

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NGULMINTHANG KIPGEN

Course/Paper	Course Allotment
Honours I	The Growth of Prose in the Late 19th century Toru Dutt : Our casuarina tree 102 Nissim Ezekiel : The Night of the Scorpion102
Ability Enhancement Compulsory Course I Sem	Speaking Skills 101
Honours III	Jonathan Swift :Gullivers' Travels 301 Eunice de Souza : Advice to Women 303
English as a Language	Sylvia Plath : Lady Lazarus
Skill Enhancement Course 301	The Craft of Creative Writing
Honours V	Development of Psychological Novels T.S. Eliot :The Hollow Men 501 Bertolt : The Mother Courage 502
Discipline Specific Elective (General)V	ThangjamIbopishak Singh: Dali, Hussain, or Odour of Dreams, Colour of Wind and The Land of Half Humans 502 Jeanette Winterson : Sexing the Cherry 501
Skill Enhancement Course 501	Unit II : Citing References Writing A Project Report
General English 501	Daniel Defoe : Robinson Crusoe

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SANDIP LONGMALAI

Course/Paper	Course Allotment
Honours I	Renaissance Prose Shakespearean Drama 101 William Shakespeare :Macbeth 101 Unit 4 : Writing Skills I 101 Unit 5 :Writing Skills II 101
Discipline Specific Course	Beginning of English Novel
Ability Enhancement Compulsory Course I Sem	Writing Skills I Writing Skills II
Honours III	Aristotle : Poetics tr. With an introduction and notes by Ingram by Water. Tragedy ,Plot, Character, Tragic Hero, Catharsis, Hamartia 301 Katherine Mansfield : Bliss 301 Unit 4 : Writing for the Media 301 Unit 5 : Preparing for Publication 303
English as a Language 301	O Henry After Twenty Years
Honours V	Poetic Drama Growth and Development 501 Samuel Beckett : Waiting for Godot 501
Discipline Specific Elective (Honours)V	Ted Hughes : Hawk Roosting 502
Skill Enhancement Course 501	Unit 1 : Introduction to the Essentials of Business Communication : Theory and Practice Unit II : Summarising Annual Report of Companies
General English 501	Beginning of English Novel

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DEBBIE PAKHUONGTE

Honours II	Unit 1(History)Growth of Periodicals Unit 5 (Poem)Alexander Pope : The Rape of The Lock(Canto1) Langston Hughes : The negro Speaks of Rivers	
Discipline Specific Core II Sem	Unit 4 (Novel) Charles Dickens : Oliver Twist	
English as a Language 2nd Sem	Unit 2(Poem) P.B. Shelley : Ode to the Westwind,To Skylark John Keats : To Autumn	
Honours IV	Unit 3 (Poem)William Wordsworth : Lines Written Upon Tintern Abbey Unit 1 (History) Characteristics of Victorian Novel Pre-Raphaelite Poetry John Keats : Ode to Autumn	401 402 402
4th Sem Discipline Specific Core	N. Ezekiel : Enterprise Unit 3(short Story) Premchand : The Holy Panchayat	
4th Sem Alternative English	Unit 2 Rainer Maria Rilke :Chilhood Anton Chekov : A marriage Proposal	
General English 6th Sem	Charles Dickens : Oliver Twist	
Discipline Specific Core(General)6th Sem	Seamus Heaney : Casualty	

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DINESH TIWARI

Honours II	Unit 4 Aphra Behn : The Rover Unit 1 Walt Whitman : 'O Captain My Captain' Passage To India C2 (history) Short Story in the Pre – Independence	201 202
II Sem Discipline Specific Core	Unit 1 (History) Romantic Poetry Unit 2 (Poem) William Wordsworth : The Solitary Reaper Matthew Arnold Dover Beach	
II Sem English as a Language	William Wordswort : The daffodils W. Wordsworth : Composed Upon Westminster Bridge Unit 3 (Short Story)Saki : The Open Window	
Honours IV	The Novel in the Romantic period Romantic Poetry Matthew Arnold Dover Beach Vyasa : Mahabharata 'Sabha Parva I' Unit 3 Sudraka :Mrechakatika, tr.Arthur Ryder : The Little Claycat	401 402 403
HonoursIVDiscipline Specific Core	Unit 4,4.1: Mulk Raj Anand : Two Leaves and a Bud	
Skill Enhancement Course 4th Sem	Unit 3:3.1 Leadership	401
Honours 6th Sem	Unit 4:4.1 Chinua Achebe : Things Fall Apart Unit 4:4.1 Shyam Selvadurai : Funny boy	601 602
Discipline Specific Elective(Honours)	Unit 1:1.1 William Wordsworth : Preface to Lyrical Ballads V.S. Naipaul : Bend in the River	601 601 601
General English 6th Sem	The Solitary Reaper M.Arnold : Dover Beach Romantic Poetry	
Discipline Specific Elective(General)	Unit 1:1.1 Kingsley Amis : Lucky Jims Unit 5;5.2 Ted Hughes : Hawk Roosting	601

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LALPARVUL PAKHUONGTE

Honours 2nd Sem	Unit 1:1.1 Jacobean Drama Unit2:2.1 John Milton : Paradise Lost Book I(Lines1-125) Unit 2:2.1Robert Frost : The Road Not Taken	201 201 202
II Sem Discipline Specific Core	Unit2:2.2 P.B.Shelley : Cloud Unit 2:2.3John Keats : Ode to Autumn	201 201
English as a Language 2nd Sem	Unit 3:3.2 Ruskin Bond : The Eyes Are Not Here	201
Honours IV	Unit 4:4.1P.B.Shelley : Ozymandias of Egypt Unit2:2.1 Jane Austen : Pride and Prejudice	401 401
IVSem Discipline Specific Core	Unit 3:3 .2 R.K.Narayan : The MCC	401
Honours 6th Sem	Unit 2:2.1David Malouf : Revolving Days David Malouf : Wild Lemoni	601
General English 6th Sem	Unit 2:2.2P.B.Shelley : Cloud Unit 2:2.3 John Keats : ode To Autumn	601 601 601

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Honours II	Unit 1 (History) Rise of the Novel Unit 5 (Drama) Toni Morrison : Beloved	201 202
II Sem English as a Language	Unit 4 Essay) Durrell : Vanishing Animals Unit 5 (Essay) G. Orwell : Shooting an elephant	
II Sem Discipline Specific Core	Unit 3 (Poem) A. Tennyson : Ulysses R. Browning : My Last Duchess	
Honours IV	The Growth of Romanticism Unit 1(History) Women Novelists The Victorian Compromise The Dramatic Monologue Unit2(Poem)William Blake : Introduction, The Chimney Sweeper, Introduction,The Chimney Sweeper (From Songs of Innocence and Experience) R.Browning : my Last Duchess Unit 1 Kalidas :Abhijnyana Shakuntalam.tr .Arthur. W. Ryder: Shakuntala	402 401 403
IVSem Discipline Specific Core	Unit 5, 5.1: Mahesh Dattani : Tara Toru Dutt : Our Casuarina Tree	
Honours 6th Sem	Unit 3.3.2 : Ama Ata Aidoo : The Girl Who Can Unit 5: 5.1 Durgabas and Subhas : Experiences of Untochability	601 602
Discipline Specific Elective(Honours)6th Sem	Unit 3:3.1 Virginia Woolf : Modern Fiction Unit 3: 3.2 T.S. Eliot : Tradition and the Individual Talent Unit 2: 2.1 George Ryga : The Ecstacy of Rita Joe	601 601 602
General English 6th Sem	Unit 1:1.1 Victorian Poetry Unit 3:3.2 A.Tennyson :Ulysees R.Browning : My Last Duchess	601 601 601

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Honours 2nd Sem	Unit 1:1.1 Passage to India (lines 1-68) Unit 4:4.1Edgar Allan Poe: The Purloined Letter	201 202
English as a language 2nd sem	Shelley : Ode to the westwind	
Discipline Specific Core(4th Sem)	N.Ezekiel : Marriage	
Honours 4th Sem	Unit5:5.1MaryShelley:Frankenstein Unit 4:4:1 A.Tennyson: The Lady of Shallot Unit 4:4.1 Panchatantra:The Loss of Friend The Wedge Pulling Monkey	401 402 403
Discipline Specific Core(Honours)6th Sem	Unit 5:5.1Cleanth brooks :The Heresy of Paraphrase Unit 4:4.1 Julio Cortazar : Blow-Up, In Blow Up and Other Stories	601 602
Honours 6th Sem	Unit 5:5.1Derek Walcott : A Far Cry from Africa Names J.K. Rowling : The Philosophers' Stone	601
Skill Enhancement Course 6th Sem	Distinct Features of speech, Distinct Features of Writing, Technical Writing	
Skill Enhancement Course 4th Sem	Unit 1:1.1Teamwork	401
Alternative English 4th Sem	Unit 1:1.1Pablo Neruda : Love Sonnet XVII,I Do Not Love Thee B.C.Chatterjee : Anandmath in Translation	401

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Honours 2nd Sem	Unit 4:4 .2W.Faulkner : Dry September	201
Discipline Specific Elective(General)6th Sem	Sexing the Cherry	401
Discipline Specific Elective(Honours)6th Sem	Cleanth Brooks : The Language of Paradox in The WellWrought Urn : Studies in the Structure of Poetry(1947) Gabriel Okara : The Mystic Drum Kiswar Walled: The Grass is Really Like Me	601 602
Honours 6th Sem	Unit 2:2.2 MamangDai : Small Town and Rivers The Voice of the Mountains	601
Skill Enhancement Course 4th Sem	Unit 2:2.1 Adaptability	401
Alternative English 4th Sem	Unit 2:2.1 Rainer Maria Rilke : Falling Stars Unit 3:3.1 Guy de Maupassant : the Necklace	401 401
Skill Enhancement Course 6th Sem	Writing Skills, Selection of Topics, Thesis Statement, Developingthe Thesis Introductory, Developmental, Transitional and concluding paragraph, Linguistic Unity, Coherence and Cohesion, Descriptive, Narrative, Expository and Argumentative Writing	
Honours 4th Sem	Unit 3:3.1 S.T.Coleridge : Christabel Unit 4:4.1 A.Tennyson : Ulysses Unit 4:4.1 Pnchatantra :The Jackal and the Wardrum The Jacket at the Ram Fight	401 402 403

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Alternative English 4th Sem	Unit 1:1.1 Pablo Neruda : Cats Dream Leo Tolstoy: How Much Land Does a Man Need	401 401
Skill Enhancement Course4th Sem	Unit 4:4.1 Problem solving I Unit 5:5.1Problem Solving II	401 401
Discipline Specific Elective(Honours)6th Sem	Unit 2:2.1 S.T.Coleridge : Biographia Literaria,ChapterXIII and XIV Unit 5:5.1 Judith Wright : Bora Ring In Collected Poems	601 602
Skill Enhancement Course 6th Sem	Unit 1:1.1Communication,Language and Communication,Difference between Speech and writing Unit 5 :5.2 Common Errors to be avoided	601 601
Honours 2nd Sem	Unit 3 :3.1Arthur Miller : Death of A Salesman	201
Honours 4th Sem	Unit 4:4.1 P.B.Shelley : Ode to the Westwind Unit4:4.2 John Keats : Ode to a Nightingale Unit 5:5.2 Christina Rossetti : The Goblin market	401 401 401
Honours 6th Sem	Unit 3:3.1Bessie Head : The Collector of Treasures Unit 3: 3.1 Grace Agot : The Green Leaves	601 601

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ODD SEMESTER FROM AUGUST 2022 TO DECEMBER 2022
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	Valentina Bazeley
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	Jumili Maibangsa

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ODD SEMESTER FROM AUGUST 2022 TO DECEMBER 2022
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.	Jumili Maibangsa & **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	**Lallomjudi Darnei** **&** **Suravi Haflongbar**
Unit V	Ancient Greece: 1. Aristotle's Theory ofSlavery 2City States in Ancient Greece-Athens & Sparta 3. Cultural contribution of Ancient Greece	**Molina Naiding**

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ODD SEMESTER FROM AUGUST 2022 TO DECEMBER 2022
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	1Sources of Ancient Indian History:Literature,Archaeology-Epigraphy and Numismatics. 2. Palaeolithic Cultures:Brief overview of Palaeolithic Cultures, prominent Palaeolithic sites in India. 3. Mesolithic Cultures: A brief overview.	Priyanka Hojai & Jumili Maibangsa
Unit II	1.Neolithic Cultures: Main characteristics of Neolithic Cultures; , prominent Neolithic sites in India 2.Chalcolithic Cultures: Main characteristics of Chalcolithic Cultures; Ahar and Jorwe culture in India.	Valentina Bazeley & Dr. Lina Jyoti Medhi
Unit III	1.Indus Valley Civilisation: Town Planning, Social Life,Economic Life, Religious practices and causes of decline.	Dr. Lina Jyoti Medhi & Lallomjudi Darnei
Unit IV	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 & Teachings of Mahavira & Gautama Buddha.	Suravi Haflongbar & Valentina Bazeley
Unit V	1. Alexander:Invasion of India by Alexander and its effects. 2. The Mauryas: Conquests & achievements of Chandragupta Maurya, Dhamma of Ashoka, Maurya administration and causes of decline of the Maurya empire, Art & Architecture.	Molina Naiding & Phaisringdi Hojai

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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	**Molina Naiding**
Unit V	Religious and Cultural Developments: 1.Bhakti, Buddhism & Jainism 2. Islamic intellectual traditions: Al- Biruni 3. Art and Architecture:Cholas and Pallavas.	**Phaisringdi Hojai**

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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.	Phaisringdi Hojai
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	Molina Naiding
Unit V	Emergence of European State system: Spain; France; England; Russia	Jumili Maibangsa

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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.Agricultural production;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.Sufi silsilas: 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.16th century to mid 17th 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 & Phaisringdi 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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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.	Jumili Maibangsa
Unit III	1.Contributions of R.D.Banerjee and Dayaram Sahani in the field of archaeology.	Priyanka Hojai
Unit IV	1.A study of the archaeological sites-Madan Kamdev & Surya Pahar.	Dr. Lina Jyoti Medhi
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.	Valentina Bazeley Jumili Maibangsa Priyanka Hojai Dr. Lina Jyoti Medhi

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ODD SEMESTER FROM AUGUST 2022 TO DECEMBER 2022
B.A. FIFTH SEMESTER HONOURS PROGRAMME (CBCS)
COURSE CODE: HISHCC-501T

Name of Course: History of Modern Europe (1780-1939)

Unit-I	The French Revolution and its European repercussions: a. Crisis of Ancient regime. b. Intellectual currents. c. Social classes and emerging gender relations. d. Phases of the French Revolution 1789-99. e. Napoleonic consolidation-reform and empire.	Suravi Haflongbar
Unit II	Restoration and Revolution: c. 1815-1848: a. Forces of conservatism & Restoration of old hierarchies. b. Social,Political and intellectual currents. c. Revolutionary and Radical movements, 1830-1848.	Dr. Lina Jyoti Medhi
Unit III	Capitalist Industralisation and Social and Economic Transformation (Late 18th century to AD 1914)-I: a. Process of Capitalist development in industry and agriculture: case studyof Britain, France, the German States and Russia. b. Evolution and differentiation of social classes: Bourgeoisie, Proleteriat, land owning classes and peasantry.	Jumili Maibangsa
Unit IV	Capitalist Industralisation and Social and Economic Transformation (Late 18th century to AD 1914)-II: a. Changing trends in demography and urban patterns. b. Family, gender and process of industrialisation.	Phaisringdi Hojai
Unit V	Varieties of Nationalism and the Remaking of States in the 19th and 20th Centuries: a. Intellectual currents,popular movements and the formation of National identities in Germany, Italy , Ireland and the Balkans. b. Specificities of economic development, political and administrative Reorganization-Italy; Germany.	Dr. Lina Jyoti Medhi

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COURSE CODE: HISHCC-502T

Name of Course: History of India-VII (1750-1857)

Unit-I	India in the mid 18th Century: Society, Economy, Polity.	Priyanka Hojai
Unit II	Expansion and Consolidation of Colonial Power: a. Mercantilism, foreign trade and early forms of exactions from Bengal. b. Dynamics of expansion, with special reference to Bengal, Mysore, Western India, Awadh, Punjab and Sindh.	Priyanka Hojai
Unit III	Rural Economy and Society: a. Land revenue system and forest policy. b. Commercialisation and indebtedness c. Rural society: change and continuity d. Famines. e. Pastoral economy and shifting cultivation.	Dr. Lina Jyoti Medhi
Unit IV	Trade and Industry: a. De-industrialization. b. Trade and fiscal policy. c. Drain of Wealth. d. Growth of modern industry.	Lallomjudi Darnei
Unit V	Popular resistance: a. Santhal uprising (1857); Indigorebellion (1860),Pabna agrarian Leagues (1873), Deccan riots (1875). b. Uprisings of 1857.	Suravi Haflongbar

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COURSE CODE: HISDSE-501T

Name of Course: History of China (1839-1982)

Unit-I	1. Canton Commercial system. 2. Opening of China: Opium wars, treaties with the imperialist powers.	Molina Naiding
Unit II	1. Taiping; self-strengthening and reforms in the Chinese states.	Jumili Maibangsa
	2. Boxer Rebellion of 1900 and its consequences. 3. Attempts at self-strengthening;reforms of 1898.	
Unit III	1. The Chinese Revolution of 1911-Dr.Sun Yat Sen 2. The Kuomintang & Chinese Nationalism: Chiang Kai Shiek 3. May Fourth Movement of 1919: Nature and Significance.	Lallomjudi Darnei
Unit IV	1. The Civil War in China and the establishment of the People's Republic of China. 2. Mao-Tse Tung and his rise to prominence- Cultural Revolution.	Lallomjudi Darnei
Unit V	1. Structure,Organisation and role of the Communist Party of China. 2. The Chinese revolutionary legacy. 3. Characteristics of the new Constitution of China,1982.	Phaisringdi Hojai

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COURSE CODE: HISHDSE-502T

Name of Course: Historiography

Unit-I	1.History: Definitions; Nature and scope, History as Science, History as Literature. 2.Sources of History: literature, archaeology,epigraphy, numismatics, foreign sources,archival sources.	Valentina Bazeley
Unit II	1.Causation and Objectivity in History: Concept & debate 2. Periodisation in history.	Molina Naiding
Unit III	1.History and the other Social Sciences: Relations with Archaeology, Anthropology,Sociology, Economics, Political Science and Geography.	Priyanka Hojai
Unit IV	1.Major trends in Historiography: Herodotus; Empricism and L.V.Ranke;Historical Materialism; A.J.Tonybee; Marc Bloch.	Valentina Bazeley
Unit V	1.Trends in modern Indian Historiography: Imperialist Historiography; Orientalist Historiography; Nationalist Historiography; Marxist Historiography; Subaltern Historiography;	Valentina Bazeley

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COURSE CODE: HISDSE-501T

Name of Course: History of Europe (1789-1914)

Unit-I	1.Causes and resultsof French Revolution 2.Continental System of Napoleon 3.Causes of the downfall of Napoleon 4.Main provisions of Vienna Congress	Suravi Haflongbar & Jumili Maibangsa
Unit II	1.Causes and effects of July Revolution 2.Causes and effects of February Revolution.	Phaisringdi Hojai
Unit III	1. Unification of Germany 2. Unification of Italy 3. Home and Foreign Policy of Bismarck	Molina Naiding & Jumili Maibangsa
Unit IV	1.Crimean War: causes and results 2.Berlin Congress-1878	Lallomjudi Darnei
Unit V	1.Kaiser William II:Foreign Policy 2Triple Alliance 3.Triple Entente	Dr. Lina Jyoti Medhi

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COURSE CODE: HISSEC-501T

Name of Course: Historical Tourism In India

Unit-I	Introduction: a. Definition and Meaning of Tourism b. Origin and history of Tourism c. Types and forms of Tourism	Valentina Bazeley
Unit II	Understanding Archaeological Tourist Sites: a. Stupa- Sanchi b. Temple- Kamakhya Temple, Guwahati	Dr. Lina Jyoti Medhi
	c. Forts- Fatehpur Sikri d. Colonial Architecture: Victoria Memorial, Kolkata	Priyanka Hojai Valentina Bazeley Phaisringdi Hojai
Unit III	Natural Resources: a. National Park: Kaziranga National Park b. Hill Station: Shimla c. Beaches: Beaches in Goa d. Island: Andaman	Dr. Lina Jyoti Medhi
Unit IV	Heritage: a. Heritage Management Organisations: UNESCO & Archaeological Survey of India (ASI) b. Selected Case Studies of world Heritage Sites in India-Taj Mahal, Agra & Red Fort, Delhi.	Priyanka Hojai
Unit V	Tourism in Barak Valley: a. Tourist Sites: Khaspur & Melagarh b. Fairs & Festivals: Shivaratri Festivals at Bhuvan Pahar & Baruni Mela at Badarpur Ghat	Phaisringdi Hojai

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B.A. FIFTH SEMESTER PASS PROGRAMME (CBCS)
COURSE CODE: HISGE-501T

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

Unit-I	1Sources of Ancient Indian History:Literature,Archaeology-Epigraphy and Numismatics. 2. Palaeolithic Cultures:Brief overview of Palaeolithic Cultures, prominent Palaeolithic sites in India. 3. Mesolithic Cultures: A brief overview.	Jumili Maibangsa
Unit II	1.Neolithic Cultures: Main characteristics of Neolithic Cultures; , prominent Neolithic sites in India 2.Chalcolithic Cultures: Main characteristics of Chalcolithic Cultures; Ahar and Jorwe culture in India.	Dr. Lina Jyoti Medhi
Unit III	1.Indus Valley Civilisation: Town Planning, Social Life,Economic Life, Religious practices and causes of decline.	Phaisringdi Hojai
Unit IV	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 & Teachings of Mahavira & Gautama Buddha.	Suravi Haflongbar
Unit V	1. Alexander:Invasion of India by Alexander and its effects. 2. The Mauryas: Conquests & achievements of Chandragupta Maurya, Dhamma of Ashoka, Maurya administration and causes of decline of the Maurya empire, Art & Architecture.	Molina Naiding

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Unit V	1.Alexander:Invasion of India by Alexander and its effects. 2. The Mauryas: Conquests & achievements of Chandragupta Maurya, Dhamma of Ashoka, Maurya administration and causes of decline of the Maurya empire, Art & Architecture.	Molina Naiding

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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.	Phaisringdi Hojai
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 2023 TO JUNE 2023
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.	Jumilee Maibangsa
Unit II	1. Religion and culture in ancient Rome. 2. Crises of the Roman Empire.	Jumilee Maibangsa
Unit III	1. Economic developments in Europe from the 7th to the 14th centuries: Organizations of production, towns and trade, technological developments, crises of feudalism.	Molina Naiding
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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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 & Jumilee Maibangsa
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 Priyanka Hojai Molina Naiding
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.	Molina Naiding Phaisringdi Hojai Phaisringdi Hojai

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EVEN SEMESTER FROM JANUARY 2023 TO JUNE 2023
B.A. FOURTH SEMESTER HONOURS PROGRAMME (CBCS)
COURSE CODE: HISHCC-401T

Name of Course: Rise of Modern West-II

Unit-I	17th 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 18th century: parliamentary monarchy; patterns of Absolutism in Europe.	Phaisringdi Hojai
Unit IV	Political and economic issues in the American Revolution	Jumilee Maibangsa
Unit V	Preludes to the Industrial Revolution	Suravi Haflongbar

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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.	Molina Naiding

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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. Begining of the crisis: contemporary perceptions; agrarian and jagir crisis; revolts.	Jumilee Maibangsa
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.	Molina Naiding

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B.A. FOURTH SEMESTER PASS PROGRAMME (CBCS)
COURSE CODE: HISHDSC/GE-401T

Name of Course: History of India from 1707 to 1950

Unit-I	1. Emergence of Independent States & establishment of Colonial power: a. Bengal (Battle of Plassey & Buxar, Robert Clive) 2. Expansion & consolidation of Colonial Power upto 1857: a. Subsidiary Alliance. b. Doctrine of Lapse.	Jumilee Maibangsa Dr.Lina Jyoti Medhi
Unit II	1. Revolt of 1857 – causes & effects, causes of its failure. 2. Nature and character of the Revolt of 1857.	Suravi Haflongbar
Unit III	1. Socio- Religious Movements in the 19th century: a. Raja Ram Mohan Roy & Brahmo Samaj. b. Ishwarchandra Vidyasagar. c. Ramkrishna Mission. d. Aligarh Movement.	Phaisringdi Hojai Phaisringdi Hojai Lallomjudi Darnei Lallomjudi Darnei
Unit IV	1. Emergence & Growth of Nationalism with focus on Gandhian nationalism: 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 Priyanka Hojai Priyanka Hojai Priyanka Hojai Molina Naiding Molina Naiding Molina Naiding
Unit V	1. a. Factors responsible for the partition of India. b. Constituent Assembly. c. Characteristics of Indian Constitution.	Valentina Bazeley

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B.A. FOURTH SEMESTER 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	Priyanka Hojai
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.	Jumilee Maibangsa
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.	Valentina Bazeley Jumile Maibangsa Dr.Lina Jyoti Medhi Priyanka Hojai
Unit V	a. Rabindranath Tagore & Visva Bharati. b. Fairs & Festivals: Basanta utsab & Poush Utsab.	Dr.Lina Jyoti Medhi

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EVEN SEMESTER FROM JANUARY 2023 TO JUNE 2023
B.A. SIXTH SEMESTER HONOURS PROGRAMME (CBCS)
COURSE CODE: HISHCC-601T

Name of Course: History of India- VIII (1857 - 1950)

Unit-I	Cultural changes and Social and Religious Reform Movements: a. The advent of printing and its implications. b. Reform and Revival: Brahmo samaj, Prathana Samaj and Ramkrishna and Vivekananda, Arya Samaj, Wahabi, Deoband, Aligarh and Singh sabha Movements.	Valentina Bazeley
Unit II	Nationalism: Trends upto 1919: a. Political ideology and organizations, formation of INC b. Moderates and Extremists. c. Swadeshi Movement. d. Revolutionaries.	Priyanka Hojai
Unit III	Gandhian Nationalism after 1919: ideas and movements: a. Mahatma Gandhi: his perspectives and Methods. b. (i) Impact of First World War (ii) Rowlatt Satyagraha and Jallianwalla Bagh (iii) Non Co-operative and Civil Disobedience (iv) Provincial Autonomy,Quit India and INA c. Left wing movements. d. Princely India: States people movements e. Nationalism and Culture: literature and art	Lallomjudi Darnei
Unit IV	Nationalism and Social Groups: Interface: a. Landlords, Professionals and Middle Classes b. Peasants c. Tribal d. Labour e. Dalits f. Women	Jumilee Maibangsa
Unit V	Independence,Partition & Emergence of a New State: a. Negotiations for independence and partition. b. Popular movements. c. Partition riots d. Making of the constitution. e. Integration of princely states	Molina Naiding

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B.A. SIXTH SEMESTER HONOURS PROGRAMME (CBCS)
COURSE CODE: HISHCC-602T

Name of Course : Social and Cultural Transformation in Modern Europe

Unit-I	Liberal Democracy,Working Class Movements and Socialism in the 19th and 20th centuries: a.The struggle for parliamentary democracy and civil liberties in Britain . b.Forms of protest during early capitalism :food riots in France and England : luddites and Chartism. c.Early socialist thought: Marxian Socialism in the First and the Second International.	Phaisringdi Hojai
Unit II	The Crisis of Feudalism in Russia and Experiments in Socialism: a.Emancipation of serfs. b.Russian Populism and Social Democracy. c.Revolutions of 1905;the Bolshevik Revolution of 1917. d. Programme of socialist Construction	Lallomjudi Darnei
Unit III	Imperialism,War and Crisis: c .1880 to 1939: a.Theories and mechanisms of imperialism;growth of Militarism,Power blocks and alliances;expansion of European empires-war of 1914 -1918 b.The post of 1919 World Order:economic crisis,the Great Depression and Recovery. c.Fascism and Nazism d.The Spanish Civil War. e.Origins of the Second World War.	Valentina Bazeley
Unit IV	Cultural and Intellectual Developments since circa 1850: a.Changing contexts:[i]Notions of Culture [ii] Creation of a New public sphere and mass media {iii]Mass education and extension of literacy. b.Creation of new cultural forms:from Romanticism to Abstract Art.	Dr Linajyoti Medhi
Unit V	Major Intellectual trends: a. Institutionalization of disciplines History, Sociology and Anthropology. b.Darwin and Freud. c.Culture and the making of ideologies: Construction of Race,class and Gender, ideologies of Empire	Suravi Haflongbar

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B.A. SIXTH SEMESTER HONOURS PROGRAMME (CBCS)
COURSE CODE: HISDSE-601T
Name of Course :HISTORY OF ASSAM (1228-1826)

Unit-I	1. Brief Survey of sources: (a) Literary sources;Indigenous,Foreign (b) Archaeological sources: Epigraphic, Numismatic, Material remains 2. Buranjis as a sources of Medieval Assam history	Molina Naiding
Unit II	1. Political Condition of the Brahmaputra valley at the beginning of the 13th century 2. Foundation and consolidation of Ahom Rule with special reference to Sukapha and Suhungmung.	Suravi Haflongbar
Unit III	1. Ahom relation with the Kacharis,Kamatas,Jayantia,Koch and Bengal Sultans 2. The emergence of the Koch kingdom:Relation with the Mughals;Koch administrative System	Priyanka Hojai
Unit IV	1. The Mughal invasion and Ahom resistance:invasion of Mirjumla,Battle of Saraighat,Battle of Itakhuli 2. Ahom- Tribal realtion during Pratap Singh	Phaisringdi Hojai
Unit V	1.Zenith of the Ahom rule:Gadadhar Singh and Rudra Singh 2.Moamaria Rebellion – causes and result 3.Burmese Invasions 4.The Ahom system of administration	Dr Linajyoti Medhi

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COURSE CODE: HISDSE-602T
Name of Course: HISTORY OF ASSAM(1826-1947)

Unit-I	1. First Anglo-Burmese War And The treaty Of Yandaboo; 2. Annexations of Cachar,Jaintia hills,Khasi hills	Jumilee Maibangsa
Unit II	1.Advent of the British (a) Administrative reorganization under David Scott (b) Annexation of Lower Assam (c) Annexation of upper Assam (d)Anti-British uprisings(1826-1830)	Phaisringdi Hojai
Unit III	1. Factors responsible for emergence of political consciousness 2. Early Organisation:Raij Mels,Ryot Sabhas,Jorhat Sarbajanik Sabha,Assam Association,Assam Chhatra Sanmilan,Surma Valley Conference.	Dr. Lina Jyoti Medhi
Unit IV	1. Growth of modern industries-Tea,Coal and Oil. 2. Partition of Bengal:response and reaction	Priyanka Hojai
Unit V	.National Movement In South Assam (a) Revolt of 1857 & South Assam (b) The era of Swadeshi (c) Non-Co-operation Movement (d) Civil Disobedience Movement (e).Quit India Movement	Suravi Haflongbar

Associate Professor & Head
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Haflong Govt. College

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HAFLONG GOVT. COLLEGE
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EVEN SEMESTER FROM JANUARY 2023 TO JUNE 2023
B.A. SIXTH SEMESTER PASS PROGRAMME (CBCS)
Course Code: HISDSE-601T
Name of Course: MODERN WORLD (1914-1961)

Unit-I	1. Wilson's Fourteen Points 2. Treaty of Versailles 3. League of Nations: Aims and Objectives, organization of the League, causes of its failure	Lallomjudi Darnei Lallomjudi Darnei Jumilee Maibangsa
Unit II	1. Russian Revolution of 1917: Causes and Results 2. New Economic Policy of Lenin 3. Locarno Pact (1925) & Kellogg Briand Pact	Dr. Lina Jyoti Medhi Dr. Lina Jyoti Medhi Phaishringdi Hojai
Unit III	1. Benito Mussolini: Home & foreign policy 2. Adolf Hitler: Home & foreign policy	Valentina Bazely
Unit IV	1. World War II: Causes and Results 2. UNO: Aims & Objectives, Organs of UNO, activities of UNO	Priyanka Hojai
Unit V	1. Origin of the Cold War 2. Panchsheel 3. Non-Aligned Movement- Definition, Features & Role of India	Suravi Haflongbar Suravi Haflongbar Molina Naiding

Bazeley

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EVEN SEMESTER FROM JANUARY 2023 TO JUNE 2023
B.A. SIXTH SEMESTER PASS PROGRAMME (CBCS)
COURSE CODE: HISGEC-601T

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
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 & Suravi Haflongbar
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.	Molina Naiding Phaisringdi Hojai Phaisringdi Hojai

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EVEN SEMESTER FROM JANUARY 2023 TO JUNE 2023
B.A. SIXTH SEMESTER PASS PROGRAMME (CBCS)
COURSE CODE: HISSEC-601T
Name of Course: History Of Tea Industry In Assam

Unit-I	Tea In Brahmaputra Valley: The origin of tea cultivation, growth of tea industry and its expansion, Assam Rules-1855&Junglebari Settlement-1864	Priyanka Hojai
Unit-II	Tea Production And Labour: Process of tea production, process of recruitment of labour in initial stage,their transportation and settlement in Assam.	Valentina Bazeley
Unit-III	Tea in Surma-Barak Valley: its growth and expansion, Baladhan incident ,chargola exodus	Dr.Linajyoti Medhi
Unit-IV	Tea unrest in 1930s and 1940s,Strike wave in Brahmaputra Valley	Jumilee Maibangsa
Unit-V	A study of -Tocklai Tea Reasearch Centre,Indian Tea Association,Silchar,Tea Auction Centre, Guwahati.	Phaisringdi Hojai

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Department of Philosophy:: Haflong Government College
Plan for Curriculum Implementation::ACADEMIC SESSION 2022-2023

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 2022-2023. 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 the session 2022-2023. The following is the outline of the plan for implementation of the curriculum for the academic session 2022-2023.

ODD SEMESTERS from August 2022 to December 2022

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 Ṛta, Law of Karma, Upaniṣadic Concept of (Self) Ātman	Rajnandini Das
II	Cārvāka-epistemology, Metaphysics Jainism Syādvāda, Anekāntāvada	
III	Buddhism: Pratityasamutpāda, Nairātmavāda, Kṣaṇikatvavāda, Four Noble Truths	
IV	Nyāya : Pramā & Pramāṇa, Pratyakṣa, Anumāna and its Kinds,	
IV	Vaiśeṣika Atomism, Padārtha, Sāmānya, Viśeṣa, Samavāya, Abhāva	
V	Sānkhya: Prakṛti, Puruṣa, Evolution	
V	Viśiṣṭadvaita: Rāmānuja's Criticism of Śankara's Māyā, Brahman	

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
Name of Course::Logic-1

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

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	Amitra Langthasa
II	Spinoza, Substance, Attribute, Mode	
II	Leibnitz: Monadology	
III	Locke: Refutations of Innate Ideas, Representationism Berkeley: Subjective Idealism	
III	Hume: Scepticism	
IV	Kant; Synthetic A priori judgement, Categories of Understanding, Transcendental Deduction	
V	Hegel and Marx: Dialectical Materialism, Marx's Concept of Alienation	

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: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 relationto Sociology and Ethics	Rajnandini Das
II	Society, Nation and State.	
III	Social Progress, Reform,Revolution, Democracy, Secularism.	
IV	Relation between a Individual andSociety: Individualism, Collectivism, Social- Contract Theory.	
V	Justice, Liberty and Equality;Terrorism and Insurgency	

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.	Paran Borthakur
II	Emotivism (Ayer and Stevenson) Prescriptivism(R.M. Hare)	
III	Concept of Medical Ethics, Business Ethics Morality inPublic Life: Ethics and Politics, Corruption.	
IV	Contemporary Ethical Problems: Animal Ethics, Animal Rights, Amniocentesis,Euthanasia	
V	Feminist Ethics: Nature andScope, Sex and Gender, Gender Justice.	

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.

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

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

BA 5th SEMESTER Honours Programme

Course Code:PHPHCC501T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: Contemporary Western Philosophy

Unit	Topics	Allotted to
I	Bertrand Russell: Logic as the Essence of Philosophy Logical Atomism, Theory of Description.	Amitra Langthasa
II	Logical Positivism: Principle of Verification, Elimination of Metaphysics	
III	L. Wittgenstein: Picture Theory ofMeaning, Language Game.	
IV	E. Husserl: PhenomenologicalStandpoint, Intentionality of Consciousness, Transcendental Ego.	
V	J.P. Sartre: Salient features of Existentialism, Theistic, Atheistic. Existentialism and Humanism.	

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 5th SEMESTER Honours Programme

Course Code:PHPHCC502T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: Philosophy of Mind

Unit	Topic	Allotted to
I	Philosophy of Mind: Nature and Scope Theories of Mind: Mind-Body Identity Theory- J.J.C. Smart Mind- Body Dualism Category Mistake- Ryle	Punyamoni Baruah
II	First Person Account, Third Person Account, Compromise Solution (Shaffer) Consciousness: Hard Problem (David Chalmers)	
III	Problem of Other Minds: Analogical Inference, Criteriological Approach to Other Minds. Private Language and Other Minds	
IV	Personhood and Personal Identity, Persistence Question, Memory and Body Criteria	
V	Freud: Notion of Unconscious, Id, Ego and Super- Ego. Jung: Collective Unconscious, Archetypes, Persona	

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 5th SEMESTER Honours Programme

Course Code:PHPDSE501T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: Greek Philosophy

Unit	Topic	Allotted to
I	Pre-Socratic Philosophy: A General Survey of Pre-Socratic philosophy Zeno Pythagoras Democritus	**Paran Borthakur**
II	Heracalitus: Doctrine of Flux and Logos Parmenides: Nature of Being	
III	Sophists and Socrates Man is the Measure of All Things (Protagoras) Virtue is Knowledge (Socrates)	
IV	Plato: Justice in State and Individual	
V	Aristotle: Nature and Change	

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 5th SEMESTER Honours Programme

Course Code:PHPDSE502T, Credits-06, Full Marks-100, Pass Marks-40
Name of Course:: Comparative Religion

Unit	Topic	Allotted to
I	What is Comparative Religion, Conflict of Religions and the possibility of Comparative Religions, Methods of Comparative Religion	Rajnandini Das
II	Fundamental Tenets of Living Religions- Hinduism, Buddhism, Jainism	
II	Fundamental Tenets of Living Religions- Semitic Religions- Judaism, Christianity and Islam.	
III	Religious Language: Cognitivist and Non-Cognitivist Debate, Religion as a family resemblance- concept.	
III	Possibility of Interreligious Dialogue, Religious Pluralism, Religious Relativism, Tolerance,	

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) 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	Paran Borthakur
II	Kinds of Proposition::Traditional and Modern	
II	Square of Opposition::Traditional, Aristotelian, Boolean	
III	Immediate Inference: Conversion, Obversion, Contraposition, Mediate Inference: Categorical syllogism, Copi's Six Rules	
III	Figure and Mood, Venn Diagram, Technique for Testing Syllogism	
IV	Symbolization, Testing Validity by Truth-table Method,	

	Shorter Truth-table Method for Proving Invalidity.	
V	Formal Proof of Validity (Nine Rules of Inference)	

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

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

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

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	

II	Kinds of Proposition::Traditional and Modern	Paran Borthakur
II	Square of Opposition::Traditional, Aristotelian, Boolean	
III	Immediate Inference: Conversion, Obversion, Contraposition, Mediate Inference: Categorical syllogism, Copi's Six Rules	
III	Figure and Mood, Venn Diagram, Technique for Testing Syllogism	
IV	Symbolization, Testing Validity by Truth-table Method, Shorter Truth-table Method for Proving Invalidity.	
V	Formal Proof of Validity (Nine Rules of Inference)	

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) 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 ofṚta, Law of Karma, Upaniṣadic Concept of Ātman	Rajnandini Das
II	Cārvāka-Epistemology,Metaphysics Jainism-Syādvāda,Anekāntāvada	
III	Buddhism: Pratityasamutpāda, Nairātmavāda, Kṣanikatvavāda,Four Noble Truths	
IV	Nyāya- Pramā & Pramāṇa, Pratyakṣa, Anumāna and its kinds Vaiśeṣika – Padārthas: Sāmānya,Viśeṣa, Samavāya and Abhāva	
V	Sānkhya: Prakṛti, Puruṣa, Evolution Advaita Vedānta: Brahman and Māyā Viśiṣṭādvadaita:Rāmānuja's Criticism of Śankara's Māyā, Brahman	

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 Skill Enhancement Course for BAGeneral (Philosophy)

SEC-301 Logical Reasoning –I

Unit	Topics	Allotted to
I	Understanding The Structure ofArguments Deductive and InductiveReasoning Exercise Based on Square ofOpposition	PunyamoniBaruah
II	Analytical Reasoning Fallacies: Fallacies ofAmbiguity, Avoiding fallacies	
III	Syllogism Rules of Syllogism Fallacies of Syllogism	
IV	Logical Diagrams, Venn Diagram Technique for Argument Testing	
	Disjunctive and Hypothetical Syllogism Dilemma and their Testing	

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 ofṚta, Law of Karma, Upaniṣadic Concept of Ātman	Rajnandini Das
II	Cārvāka-Epistemology,Metaphysics Jainism-Syādvāda,Anekāntāvada	
III	Buddhism: Pratityasamutpāda, Nairātmavāda, Kṣanikatvavāda,Four Noble Truths	
IV	Nyāya- Pramā & Pramāṇa, Pratyakṣa, Anumāna and itskinds Vaiśeṣika – Padārthas: Sāmānya,Viśeṣa, Samavāya and Abhāva	
V	Sānkhya: Prakṛti, Puruṣa, Evolution	

	Advaita Vedānta: Brahman and Māyā Viśiṣṭādvadaita: Rāmānuja's Criticism of Śankara's Māyā, Brahman	

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 ofṚta, Law of Karma, Upaniṣadic Concept of Ātman	Rajnandini Das
II	Cārvāka-Epistemology,Metaphysics Jainism-Syādvāda,Anekāntāvada	
III	Buddhism: Pratityasamutpāda, Nairātmavāda, Kṣanikatvavāda,Four Noble Truths	
IV	Nyāya- Pramā & Pramāṇa, Pratyakṣa, Anumāna and itskinds Vaiśeṣika – Padārthas: Sāmānya,Viśeṣa, Samavāya and Abhāva	
V	Sānkhya: Prakṛti, Puruṣa, Evolution Advaita Vedānta: Brahman and Māyā Viśiṣṭādvadaita: Rāmānuja's Criticism of Śankara's Māyā, Brahman	

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) Philosophy Programme

Fifth Semester: Course Code:PHPDSE501T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: Contemporary Western Philosophy

Unit	Topics	Allotted to
I	Bertrand Russell: Logic as the Essence of Philosophy	Amitra Langthasa
	Logical Atomism, Theory of Description.	
II	Logical Positivism: Principle of Verification, Elimination of Metaphysics	
III	L. Wittgenstein: Picture Theory ofMeaning, Language Game.	
IV	E. Husserl: PhenomenologicalStandpoint, Intentionality of Consciousness, Transcendental Ego.	
V	J.P. Sartre: Salient features of Existentialism, Theistic, Atheistic. Existentialism and Humanism.	

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 Skill Enhancement Course for BAGeneral (Philosophy)

SEC-501 Logical Reasoning II

Unit	Topics	Allotted to
I	Primacy of Logical Reasoning Anumāna: Definition, Constitution,Process and Types Pakṣatā, Parāmarśa and Vyāpti	Amitra Langthasa
II	Hetvabhasa: Definition, Types Asiddha, Badhita, Satpratipaksa,Viruddha, Savyabhichara	
III	Symbolization, Construction of Truth- table for Statement Forms Truth- table Technique for Testing Validity for Invalidity of Arguments	
IV	Proof construction- Direct, Indirectand Conditional	
V	Shorter Truth- table Method forProving Invalidity Preliminary Set Theory	

Plan for implementation of BA (General) Programme in other disciplines offering philosophy as Discipline Specific Elective (DSE)

Third Semester: Course Code:PHPDSE501T, Credits-06, Full Marks-100, Pass Marks-40
Name of Course:: Contemporary Western Philosophy

Unit	Topics	Allotted to
I	Bertrand Russell: Logic as the Essence of Philosophy	Amitra Langthasa
	Logical Atomism, Theory of Description.	
II	Logical Positivism: Principle of Verification, Elimination of Metaphysics	
III	L. Wittgenstein: Picture Theory ofMeaning, Language Game.	
IV	E. Husserl: PhenomenologicalStandpoint, Intentionality of Consciousness, Transcendental Ego.	
V	J.P. Sartre: Salient features of Existentialism, Theistic, Atheistic. Existentialism and Humanism.	

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 disciplines offering philosophy as Generic Elective

Fifth Semester: Course Code:PHPGEC501T, Credits-06, Full Marks-100, Pass Marks-40
Name of Course:: Logic

Unit	Topics	Allotted to
I	Nature of Logic, Truth and Validity, Argument and ArgumentForm	Punyamoni Baruah
II	Kinds of Proposition::Traditionaland Modern Square of Opposition::Traditional,Aristotelian, Boolean	

III	Immediate Inference: Conversion,Obversion, Contraposition, Mediate Inference: Categorical syllogism, Copi's Six Rules Figure and Mood, Venn Diagram,Technique for Testing Syllogism	
IV	Symbolization, Testing Validityby Truth-table Method, Shorter Truth-table Method for Proving Invalidity.	
V	Formal Proof of Validity (NineRules of Inference)	

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

EVEN SEMESTERS JANUARY 2023 TO JUNE 2023

EVEN SEMESTERS from January 2023 to June 202023
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	Amitra Langthasa
II	Plato: Theory of knowledge and Ideas. Aristotle: Form and Matter, Causation.	
III	Theories of Knowledge: Empiricism, Rationalism, Kant's Critical Theory, Intuitionism.	
IV	Realism: Naive Realism, Representationism, Neo- Critical Realism. Idealism: Subjective Idealism of Berkeley, Objective Idealism of Hegel	
V	Substance, Space, Time, Causality (Hume)	

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
Name of Course:: ETHICS- I

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

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-saṁgraha-Dīpikā

Unit	Topic	Teachers to whom allotted
I	Pramā and apramā- Definition Samṣaya, Viparyaya and	

	Tarka Pramāṇa- Definition	Paran Borthakur
II	a) Pratyakśa- Definition b) Savikalpaka and Nirvikalpaka Stages of Perception c) Classification of Perception	
III	a) Inference and Concomitance (Vyāpti) b) Classification of Inference: Causal, Logical and Psychological	
IV	Pramāṇās- Śabda and Upamāna	
V	a) Paratah Prāmāṇyavāda b) Theory of Error c) Fallacies (Hetvābhāsa)	

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)	
III	Probability, Necessary Connection, Causation (Sections- VI and VII)	
IV	Liberty and Necessity, Reasons of Animals (Sections- VIII and IX)	
V	Religion and Skepticism (Sections X, XI and XII)	

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)	
III	Quantification, Symbolization, rules and formal proof of validity, Conditional Proof	

IV	Mill's Method of Experimental Enquiries and Inductive Fallacies.	
V	Science and Hypothesis, Probability	

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

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 Confidentially, Health Care Allocation	
III	Abortion, Moral and Religious Aspects of Abortion, Surrogacy	
IV	The Value of Life, Euthanasia and Suicide	
V	Environmental Ethics: Anthropocentrism, Eco-centrism, Eco-feminism, The Need for Environmental Ethics, Animal Ethics: Animal Rights.	

BA 6th SEMESTER Honours Programme

Course Code:PHPHCC601T, Credits-06, Full Marks-100, Pass Marks-40
Name of Course:: Philosophy of Religion

Unit	Topic	Allotted to
I	Philosophy of Religion: Nature and Concerns.	Rajnandini Das
II	Religion and Morality, Science and Religion.	
III	Theories of the Origin of Religion: Anthropological and Psychological.	
IV	Arguments for the Existence of God: Ontological, Cosmological, Teleological and Moral.	
V	Problem of Evil, Faith, Reason and Revelation.	

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 6th SEMESTER Honours Programme

Course Code:PHPHCC602T, Credits-06, Full Marks-100, Pass Marks-40
Name of Course:: Contemporary Indian Philosophy

Unit	Topic	Allotted to
I	Swami Vivekananda Real and Apparent Man, Universal Religion.	Punyamoni Baruah
II	Sri Aurobindo Integral Yoga, Nationalism, Evolution of Consciousness.	
III	M.K. Gandhi Concept of Swaraj, Ahimsa, Trusteeship.	
IV	R.N. Tagore Surplus in Man, Problem of Evil, Concept of Religion.	
V	S. Radhakrishnan Intellect and Intuition. K.C. Bhattacharjee Concept of Philosophy Md. Iqbal Notion of Ego (Khudi)	

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 6th SEMESTER Honours Programme

Course Code:PHPDSE601T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: Phenomenology and Existentialism

Unit	Topic	Allotted to
I	Meaning and Concept of Phenomenology, Different Types of Phenomenology, Critique of Psychologism	**Paran Borthakur**
II	The Concept of Intentionality, Phenomenological Method: Husserl	
III	Existential Phenomenology: Sartre' notion of Being-for-itself and Being-in-itself, Freedom	
IV	Theistic and Atheistic Existentialism: Kierkegaard, Nietzsche, Sartre	
V	Heidegger: Problem of Being Buber: Concept of Dialogue and 'I-Thou' Relationship	

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 6th SEMESTER Honours Programme

Course Code:PHPDSE602T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: Philosophy of M K Gandhi

Unit	Topic	Allotted to
I	Concept of Truth, Absolute and Relative Truth, Truth is God, Truth in Politics and Society	
II	Meaning of Ahimsā in Gandhi's Philosophy, Ahimsā in	

	Buddhism and Jainism	Amitra Langthasa
II	Social and Political Thought: Swarāj and Swadeshi	
III	Sarvodaya and Satyāgraha	
III	Original Goodness and Human Nature, Religion and Politics.	

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) 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. Fundamental Concepts: Concepts of Rights and Duties, Good and Virtue, Object of Moral Judgment.	Paran Borthakur
II	Teleological Ethics: Hedonism, Utilitarianism, (Bentham and Mill), Sarvodaya. (Gandhi) Virtue Ethics: Aristotle – Nature and Kinds of Virtues.	
III	Deontological Ethics: Kant – Good Will, Categorical Imperative. Ethics of Gīta: Swadharma, Niskāma Karma.	
IV	Hindu Ethics: Puruṣārtha: The notion of Dharma. Jaina Ethics: Ahimsā Buddhist Ethics: Theory of Action	
V	Definition and Scope of Applied Ethics. Environmental Ethics: Anthropocentrism and Eco-centrism. Theories of Punishment: Retributive, Deterrent and Reformative.	

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

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. Fundamental Concepts: Concepts of Rights and Duties, Good and Virtue, Object of Moral Judgment.	Paran Borthakur
II	Teleological Ethics: Hedonism, Utilitarianism, (Bentham and Mill), Sarvodaya. (Gandhi) Virtue Ethics: Aristotle – Nature and Kinds of Virtues.	
III	Deontological Ethics: Kant – Good Will, Categorical Imperative. Ethics of Gīta: Swadharma, Niskāma Karma.	
IV	Hindu Ethics: Puruṣārtha: The notion of Dharma. Jaina Ethics: Ahimsā Buddhist Ethics: Theory of Action	
V	Definition and Scope of Applied Ethics. Environmental Ethics: Anthropocentrism and Eco-centrism. Theories of Punishment: Retributive, Deterrent and Reformative.	

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 Second Semester Generic Elective Course for learners of honours programmes of other departments:

Second 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. Fundamental Concepts: Concepts of Rights and Duties, Good and Virtue, Object of Moral Judgment.	

II	Teleological Ethics: Hedonism, Utilitarianism, (Bentham and Mill), Sarvodaya. (Gandhi) Virtue Ethics: Aristotle – Nature and Kinds of Virtues.	Paran Borthakur
III	Deontological Ethics: Kant – Good Will, Categorical Imperative. Ethics of Gīta: Swadharma, Niskāma Karma.	
IV	Hindu Ethics: Puruṣārtha: The notion of Dharma. Jaina Ethics: Ahimsā Buddhist Ethics: Theory of Action	
V	Definition and Scope of Applied Ethics. Environmental Ethics: Anthropocentrism and Eco-centrism. Theories of Punishment: Retributive, Deterrent and Reformative.	

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) Philosophy Programme

Fourth 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.	
III	Theories of Knowledge: Empiricism, Rationalism, Kant's Critical Theory, Intuitionism.	
IV	Realism: Naive Realism, Representationism, Neo-Critical Realism. Idealism: Subjective Idealism of Berkeley, Objective Idealism of Hegel.	
V	Substance, Space, Time, Causality (Hume)	

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	
III	Animal Ethics Respect for Animals and Ecology, Animal Rights	
IV	Professional Ethics Medical Ethics, Media Ethics	
V	Corporate Ethics Ethics of Business, Corporate Social Responsibility	

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

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.	
III	Theories of Knowledge: Empiricism, Rationalism, Kant's Critical Theory, Intuitionism.	
IV	Realism: Naive Realism, Representationism, Neo-Critical Realism. Idealism: Subjective Idealism of Berkeley, Objective Idealism of Hegel.	
V	Substance, Space, Time, Causality (Hume)	

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) Philosophy Programme

Sixth Semester: Course Code:PHPDSE601T, Credits-06, Full Marks-100, Pass Marks-40

Name of Course:: Contemporary Indian Philosophy

Unit	Topic	Allotted to
I	Swami Vivekananda Real and Apparent Man, Universal Religion.	Punyamoni Baruah
II	Sri Aurobindo Integral Yoga, Nationalism, Evolution of Consciousness.	
III	M.K. Gandhi Concept of Swaraj, Ahimsa, Trusteeship.	
IV	R.N. Tagore Surplus in Man, Problem of Evil, Concept of Religion.	
V	S. Radhakrishnan Intellect and Intuition. K.C. Bhattacharjee Concept of Philosophy Md. Iqbal Notion of Ego (Khudi)	

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:PHPSEC601T, Credits-04, Full Marks-50, Pass Marks-20

Name of Course:: Applied Ethics II

Unit	Topic	Teachers to whom allotted
I	Meaning and Nature of Bio-ethics, Importance of Bio-ethics in Contemporary Society.	Paran Borthakur
II	Cloning, Genetic Engineering	
III	Abortion, Moral and Religious Aspects of Abortion, Surrogacy.	
IV	Euthanasia and Suicide	

V	Environmental Ethics: Anthropocentrism and Bio-centrism, Eco- centrism	

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

Sixth Semester: Course Code:PHPDSE601T, Credits-06, Full Marks-100, Pass Marks-40
Name of Course:: Contemporary Indian Philosophy

Unit	Topic	Allotted to
I	Swami Vivekananda Real and Apparent Man, Universal Religion.	Punyamoni Baruah
II	Sri Aurobindo Integral Yoga, Nationalism, Evolution of Consciousness.	
III	M.K. Gandhi Concept of Swaraj, Ahimsa, Trusteeship.	
IV	R.N. Tagore Surplus in Man, Problem of Evil, Concept of Religion.	
V	S. Radhakrishnan Intellect and Intuition. K.C. Bhattacharjee Concept of Philosophy Md. Iqbal Notion of Ego (Khudi)	

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 Generic Elective

Sixth Semester: Course Code:PHPGEC601T, Credits-06, Full Marks-100, Pass Marks-40
Name of Course:: Ethics

Unit	Topic	Teachers to whom allotted
I	Nature of Ethics: Its concerns, Normative Ethics and Meta-ethics. Fundamental Concepts: Concepts of Rights and Duties, Good and Virtue, Object of Moral Judgment.	Skhemborlang Kurbah
II	Teleological Ethics: Hedonism, Utilitarianism, (Bentham and Mill), Sarvodaya. (Gandhi) Virtue Ethics: Aristotle – Nature and Kinds of Virtues.	
III	Deontological Ethics: Kant – Good Will, Categorical Imperative. Ethics of Gīta: Swadharma, Niskāma Karma.	
IV	Hindu Ethics: Puruṣārtha: The notion of Dharma. Jaina Ethics: Ahimsā Buddhist Ethics: Theory of Action	

V	Definition and Scope of Applied Ethics. Environmental Ethics: Anthropocentrism and Eco-centrism. Theories of Punishment: Retributive, Deterrent and Reformative.	

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.

04/08/2022
Associate Professor & Head
Department of Philosophy
Haflong Government College

ATTESTED

Principal
Haflong, Govt. College
Haflong

Haflong Government College

Department of Political Science

Plan for Curriculum Implementation (CBCS)

Academic Session 2022-23

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 2022-23. The Curriculum is design by Assam University.

Haflong Government College (Plan for Curriculum Implementation Department of Political ScienceAcademic session 2022-23)

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 for the year2020-21. The Curriculum is design by Assam University.

ODD SEMESTER SYLLABUS DISTRIBUTION:-

FIRST SEMESTER (HONS.) PLSHCCC101T Understanding Political Theory

Unit No.	Unit & topics	Text	Suggested reading	Teacher
1	➢ Political Theory: Meaning and Functions ➢ Traditions of political theory: Liberal, Marxist, Anarchist and Conservative	Johori& Gupta (Political Theory : Concepts And Debates), O.P. Gauba (An Introduction to Political Theory), Acharya & BhaRakhi M. Gogoiava (Political Theory : An Introduction)	J.C. Johori (Foundations of Political Science), R. C. Agarwal (Political Theory: Principles of Political Science)	Bhaswati Khersa
2	➢ Approaches to political theory: normative , historical and empirical	Johori& Gupta (Political Theory : Concepts And Debates), O.P. Gauba (An Introduction to Political Theory), Acharya & Bhargava (Political Theory : An Introduction)	J.C. Johori (Foundations of Political Science), R. C. Agarwal (Political Theory: Principles of Political Science)	Limi Nampui
3	➢ Contemporary Perspectives in Political Theory: Feminist and Postmodern	Johori& Gupta (Political Theory : Concepts And Debates), O.P. Gauba (An Introduction to Political Theory) , Acharya & Bhargava (Political Theory : An Introduction)	J.C. Johori (Foundations of Political Science), R. C. Agarwal (Political Theory: Principles of Political Science)	Limi Nampui
4	Political theory and practice I ➢ Democracy: the history of the idea ➢ Procedural Democracy and its Critique	Johori& Gupta (Political Theory : Concepts And Debates), O.P. Gauba (An Introduction to Political Theory) Acharya & Bhargava (Political Theory : An Introduction),	J.C. Johori (Foundations of Political Science), R. C. Agarwal (Political Theory: Principles of Political Science)	Rakhi M. Gogoi
5	Political theory and practice II ➢ Deliberative Democracy ➢ Participation & representation	Johori& Gupta (Political Theory : Concepts And Debates), O.P. Gauba (An Introduction to Political Theory) , Acharya & Bhargava (Political Theory : An Introduction)	J.C. Johori (Foundations of Political Science), R. C. Agarwal (Political Theory: Principles of Political Science)	Roslyn Changsan

Unit No.	Unit & topics	Text	Suggested reading	Teacher
1	a. Philosophy of the constitution ,the Preamble and Features of the Constitution b. Fundamental Rights and Directive Principles	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)	Bhaswati Khersa
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)	Roslyn Changsan
3	a. The Legislature: Parliament b. The Judiciary : Supreme Court	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)	Bhaswati Khersa
4	Federalism: Centre-state Relations, division of Powers, emergency 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)	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)	Limi Nampui

First Semester CBCS course (GeneralProgramme) PLSPDSC101T Understanding Political Theory/PLSPGEC101T Introduction To Political Theory/ 5th Semester PSCGE501 Understanding Political Theory

Unit No.	Unit & topics	Text	Suggested reading	Teacher
1	Politics , political theory : meaning and relevance	Johori& Gupta (Political Theory : Concepts And Debates), O.P. Gauba (An Introduction to Political Theory) , Acharya & Bhargava (Political Theory : An Introduction)	J.C. Johori (Foundations of Political Science), R. C. Agarwal (Political Theory: Principles of Political Science)	Bhaswati Khersa
2	Concepts I : Democracy, liberty , equality , justice	Johori& Gupta (Political Theory : Concepts And Debates), O.P. Gauba (AN Introduction to Political Theory) , Acharya & Bhargava (Political Theory : An Introduction)	J.C. Johori (Foundations of Political Science), R. C. Agarwal (Political Theory: Principles of Political Science)	Limi nampui

3	Concepts II: Citizenship, Rights, Civil Society and State	Johori& Gupta (Political Theory : Concepts And Debates), O.P. Gauba (An Introduction to Political Theory) , Acharya & Bhargava (Political Theory : An Introduction)	J.C. Johori (Foundations of Political Science), R. C. Agarwal (Political Theory: Principles of Political Science)	Roslyn Changsan
4	Debates in political theory I : a. Democracy and economic growth? (BINURI BODO) b. Censorship : Justification and limits	Johori& Gupta (Political Theory : Concepts And Debates), O.P. Gauba (An Introduction to Political Theory) , Acharya & Bhargava (Political Theory : An Introduction)	J.C. Johori (Foundations of Political Science), R. C. Agarwal (Political Theory: Principles of Political Science)	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	Johori& Gupta (Political Theory : Concepts And Debates), O.P. Gauba (An Introduction to Political Theory) , Acharya & Bhargava (Political Theory : An Introduction)	J.C. Johori (Foundations of Political Science), R. C. Agarwal (Political Theory: Principles of Political Science)	Rakhi M.Gogoi

THIRD SEMESTER (HONS.) 301 PSCHCC INTRODUCTIONS TO COMPARATIVE GOVERNMENT AND POLITICS

Unit No.	Unit & topics	Text	Suggested reading	Teacher
1	a. Comparative Politics: Nature and Scope b. Going Beyond Eurocentricism	Kesselman. Krieger and William (Introduction to Comparative Politics : Political Challenges and Changing agendas)	Hague and Horrop (comparative government and politics : an introduction)	Rakhi M.Gogoi
2	Capitalism: Meaning and Development: Globalization	A.Hoogevelt (history of capitalism Expansion), R. Suresh (Economy & Society – Evolution of capitalism)	E. Wood (the agrarian origin of Capiatlism), S. Palekar (Comparative Government)	Limi Nampui
3	Socialism: Meaning, Growth and Development	HarperCollins E-book (Rise and Fall of Communism)	J. McCormick (Communist and Post Communist States), S. Palekar (Comparative Government)	Bhaswati Khersa
4	Colonialism and Decolonization: meaning, context, forms of Colonialism (MH) anti – colonialism, struggles and process of decolonization (BINURI BODO)	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.virginia.edu/key-concepts/anticolonoalism), anticolonialism | Encyclopedia.com	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),	Roslyn Changsan

302 PSCHCC PERSPECTIVES ON PUBLIC ADMINISTRATION

Unit No.	Unit & topics	Text	Suggested reading	Teacher
1	Public Administration as a Discipline ➢ 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)	Limi Nampui
2	Theoretical perspectives : Classical Theories ➢ 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)	Bhaswati Khersa
3	Neo Classical Theories ➢ Human Relations Theory (Elton Mayo) ➢ Rational Decision – Making (Herbert Simon) Contemporary Theories ➢ 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)	Rakhi M. gogoi
4	Public Policy ➢ Concept , Relevance and Approaches ➢ Formulation, Implementation and Evaluation	The Oxford Handbook Of Public Policy, understanding Public Policy	Prabir Kr. De (Public Policy and Systems), R. V. VaidyanathAyyar (Public Policy Making in India)	Limi Nampui
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)	Roslyn Changsan

PSCHC 303 PERSPECTIVES ON INTERNATIONAL RELATIONS AND WORLD HISTORY

Unit No.	Unit & topics	Text	Suggested reading	Teacher
1	Understanding International relations : Levels of Analysis ii. History and IR : Emergence 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)	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),	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)	Limi nampui
4.	i. Cold War : Different Phases ii. Emergence 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)	Bhaswati Khersa
5.	Post Cold War Developments and Emergence 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)	Roslyn Changsan

PSC SEC 301 LEGISLATIVE SUPPORTS

Unit No.	Unit & topics	Text	Suggested reading	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)	Bhaswati Khersa
2.	Powers and functions of people's representatives at different tiers of governance: Functions of rural	B. L. Fadia (Indian Government and Politics), NC Mazumdar (Legislative Support)	S.L. Sikri(Indian Government and Politics), KK Ghai (Indian Government and Politics)	Bhaswati Khersa

	and urban self -government			
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)	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)	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)	Rakhi M. Gogoi

THIRD SEMESTER: DSC PSC 301Comparative Government and Politics

Unit No.	Unit & Topics	Texts	Further Readings	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)	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)	Bhaswati Khersa
III	Classifications of political systems: a) Parliamentary and Presidential: UK and USA b) Federal and Unitary: Switzerland and China	N.C.Mazumdar(Comparative Government and Politics), S.C.Singhal(Comparative Government and Politics),	Palekar, S.A. (Comparative Government and Politics)	LIMI NAMPUI
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)	Rakhi M. Gogoi
V	Contemporary debates on the nature of state: From state centric	N.C.Mazumdar(Comparative Government and Politics), S.C.Singhal(Comparative Government and	Palekar, S.A. (Comparative Government and Politics)	Roslyn Changsan

	security to human centric security and the changing nature of nation-state in the context of globalization.	Politics),		

FIFTH SEMESTERPSC-H-C-501-CLASSICAL POLITICAL PHILOSOPHY

Unit No.	Unit & Topics	Texts	Further Readings	Teacher
I	Early Greek Political Thinkers; Socrates, Sophists	Johari & Gupta (Classical Political Philosophy), RC Gupta (Western Political Thought), U. Sharma(Western Poltical Thought),	Mukherjee & Ramaswamy(A History of Political thought), P.G. Das (Western Political thought)	Rakhi M. Gogoi
II	Plato - Philosophy and Politics, Theory of Forms, Justice, Philosopher King/Queen, Communism	RC Gupta (Western Political Thought), U. Sharma(Western Poltical Thought), V.VRao (Ancient political Philosophy), O.P. Gauba(Western Political thought)	Mukherjee & Ramaswamy(A History of Political thought), P.G. Das (Western Political thought)	Bhaswati Khersa
III	Aristotle: Forms, Virtue, Citizenship, Justice, State and Household	RC Gupta (Western Political Thought), U. Sharma(Western Poltical Thought), VVRao (Ancient political Thought), O.P. Gauba(Western Political thought)	Mukherjee & Ramaswamy(A History of Political thought), P.G. Das (Western Political thought)	LIMI NAMPUI
IV	Machiavelli - Virtue, Religion, Republicanism	RC Gupta (Western Political Thought), U. Sharma(Western Poltical Thought), VVRao (Ancient political Thought), O.P. Gauba(Western Political thought)	Mukherjee & Ramaswamy(A History of Political thought), P.G. Das (Western Political thought)	Roslyn Changsan
V	HoBinuri Bodoes - Human nature, State of Nature, Social Contract, State Locke - Laws of Nature, Natural Rights, Property,	RC Gupta (Western Political Thought), U. Sharma(Western Political Thought), V.V.Rao (Ancient political Thought), O.P. Gauba(Western Political thought)	Mukherjee & Ramaswamy(A History of Political thought), P.G. Das (Western Political thought)	Bhaswati Khersa

FIFTH SEMESTER PSC-H-C-502 INDIAN POLITICAL THOUGHT – I

Unit No.	Unit & Topics	Texts	Further Readings	Teacher
I	Traditions of Pre-colonial Indian Political Thought a. Brahmanic and Shramanic b. Islamic and Syncretic	R C Gupta (Indian Political Thought),O.P. Gouba ((Indian Political Thought), U Sharma (Modern Indian Political thought)	V.P.Varma(Ancient & Medieval : Indian Political Thought), V.R. Mehta (Indian Political Thought)	Rakhi M. Gogoi
II	Ved Vyasa (Shantiparva): Rajadharma	R C Gupta (Indian Political Thought),O.P. Gouba ((Indian Political Thought), U Sharma (Modern Indian Political thought)	V.P.Varma(Ancient & Medieval : Indian Political Thought), V.R. Mehta (Indian Political Thought)	Bhaswati Khersa

III	Manu: Social Laws, Kautilya: Theory of State	R C Gupta (Indian Political Thought),O.P. Gouba ((Indian Political Thought), U Sharma (Modern Indian Political thought)	V.P.Varma(Ancient & Medieval : Indian Political Thought), V.R. Mehta (Indian Political Thought)	LIMI NAMPUI
IV	Barani: Political Philosophy	R.C.Gupta (Indian Political Thought),O.P. Gouba ((Indian Political Thought), U Sharma (Modern Indian Political thought)	V.P.Varma(Ancient & Medieval : Indian Political Thought), V.R. Mehta (Indian Political Thought)	LIMI NAMPUI
V	Abul Fazal: Monarchy, Kabir: Syncretism	RCGupta (Indian Political Thought),O.P. Gouba ((Indian Political Thought), U Sharma (Modern Indian Political thought)	V.P.Varma(Ancient & Medieval : Indian Political Thought), V.R. Mehta (Indian Political Thought)	Roslyn Changsan

FIFTH SEMESTER(HONS) DSE-H-501: INDIA's FOREIGN POLICY IN A GLOBALIZING WORLD

Unit No.	Unit & Topics	Texts	Further Readings	Teacher
I	India's Foreign Policy: From a Postcolonial State to an Aspiring Global 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)	Bhaswati Khersa
II	India's Relations with the USA and the USSR/Russia	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)	Rakhi M. Gogoi
III	India's Engagements with China	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)	LIMI NAMPUI
IV	India in South Asia: Debating Regional Strategies	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)	Roslyn Changsan
V	India's Negotiating Style and Strategies: Trade, Environment and Security Regimes	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)	Rakhi M. Gogoi

FIFTH SEMESTER(HONS) DSE-H- 502: HUMAN RIGHTS IN A COMPARATIVE PERSPECTIVE

Unit No.	Unit & Topics	Texts	Further Readings	Teacher
I	Human Rights: Theory and Institutionalization a.	Dashrathi Bhuyan (Human Rights In A Comparative Perspective), T. Biswal (Human	M. Ishay, (The History of Human Rights: From Ancient Times to the Globalization Era),	LIMI NAMPUI

	Understanding Human Rights: Three Generations of Rights b. Institutionalization: Universal Declaration of Human Rights	Rights, Gender and Environment)		
II	a. Rights in National Constitutions: South Africa and India	Dashrathi Bhuyan (Human Rights In A Comparative Perspective), T. Biswal (Human Rights, Gender and Environment)	M. Ishay, (The History of Human Rights: From Ancient Times to the Globalization Era),	RG
III	Issues a. Torture: USA and India b. Surveillance and Censorship: China and India c. Terrorism and Insecurity of Minorities: USA and India	Dashrathi Bhuyan (Human Rights In A Comparative Perspective), T. Biswal (Human Rights, Gender and Environment)	M. Ishay, (The History of Human Rights: From Ancient Times to the Globalization Era),	RG
IV	Structural Violence a. Caste and Race: South Africa and India b. Gender and Violence: India and Pakistan	Dashrathi Bhuyan (Human Rights In A Comparative Perspective), T. Biswal (Human Rights, Gender and Environment)	M. Ishay, (The History of Human Rights: From Ancient Times to the Globalization Era),	Roslyn Changsan
V	Adivasis/Aboriginals and the Land Question: Australia and India	Dashrathi Bhuyan (Human Rights In A Comparative Perspective), T. Biswal (Human Rights, Gender and Environment)	M. Ishay, (The History of Human Rights: From Ancient Times to the Globalization Era),	Bhaswati Khersa

FIFTH SEMESTER SEC: P.sc Pass 501: DEMOCRATIC AWARENESS AND LEGAL LITERACY

Unit No.	Unit & Topics	Texts	Further Readings	Teacher
I	Outline of the Legal system in India ➢ System of courts/tribunals and their jurisdiction in India - criminal and civil courts, writs jurisdiction, specialized courts such as juvenile courts, Mahila courts	G. Mukhopadhyay(Democratic awareness Through legal literacy), A. Zariski (Legal Literacy : An Introduction to Legal Studies)	Sankaran & Singh (Towards Legal Literacy : An Introduction to Law in India), Gupta & Sons (Democratic awareness Through legal literacy)	Bhaswati Khersa
II	Brief understanding of the Laws applicable in India : Constitution - fundamental rights, fundamental duties, other¬ constitutional rights and their manner of enforcement, with emphasis on public interest litigation.	G. Mukhopadhyay(Democratic awareness Through legal literacy), A. Zariski (Legal Literacy : An Introduction to Legal Studies)	Sankaran & Singh (Towards Legal Literacy : An Introduction to Law in India), Gupta & Sons (Democratic awareness Through legal literacy)	LIMI NAMPUI
III	Laws relating to criminal	G. Mukhopadhyay(Democratic awareness	Sankaran & Singh (Towards Legal Literacy : An	Rakhi M.

	jurisdiction: provision relating to filing an FIR, arrest, bail, juvenile justice.	Through legal literacy), A. Zariski (Legal Literacy : An Introduction to Legal Studies)	Introduction to Law in India), Gupta & Sons (Democratic awareness Through legal literacy)	Gogoi
IV	➢ Laws relating to dowry, sexual harassment and violence against¬ women.	G. Mukhopadhyay(Democratic awareness Through legal literacy), A. Zariski (Legal Literacy : An Introduction to Legal Studies)	Sankaran & Singh (Towards Legal Literacy : An Introduction to Law in India), Gupta & Sons (Democratic awareness Through legal literacy)RG	Roslyn Changsan
V	➢ Laws relating to consumer right, Access to information (RTI) ; Laws relating to Cyber Crimes.	G. Mukhopadhyay(Democratic awareness Through legal literacy), A. Zariski (Legal Literacy : An Introduction to Legal Studies)	Sankaran & Singh (Towards Legal Literacy : An Introduction to Law in India), Gupta & Sons (Democratic awareness Through legal literacy)	Limi Nampui

FIFTH SEMESTER DSE: P.sc Pass 501: THEMES IN COMPARATIVE POLITICAL THEORY

Unit No.	Unit & Topics	Texts	Further Readings	Teacher
I	Distinctive features of Indian and Western political thought	Chawdhry& George (Themes In Comparative Political Theory), Arora & Awasthy (Themes In Comparative Political Theory)	M.P. Jain (Themes In Comparative Political Theory)	Rakhi M. gogoi
II	**Western Thought: Thinkers and Themes I** a. Aristotle on Citizenship (LIMI NAMPUI) b. Locke on Rights(BHASWATI KHERSA) c. Rousseau on Inequality (BHASWATI KHERSA)	R.C. Gupta (Western Political Thought), U. Sharma(Western Poltical Thought), Chawdhry& George (Themes In Comparative Political Theory),)	V.V.Rao (Ancient political Thought), O.P.Gauba(Western Political thought)	Limi Nampui
III	**Western Thought: Thinkers and Themes II** a. J. S. Mill on liberty and democracy b. Marx and Bakunin on State	R.C. Gupta (Western Political Thought), U. Sharma(Western Poltical Thought)	O.P.Gauba (Western Political thought)), Arora & Awasthy (Themes In Comparative Political Theory	Roslyn Changsan
IV	**Indian Thought: Thinkers and Themes I** a. Kautilya on State b. Tilak and Gandhi on Swaraj	R.C. Gupta (Indian Political Thought), O.P. Gouba ((Indian Political Thought),	U Sharma (Modern Indian Political thought)	Limi Nampui
V	**Indian Thought: Thinkers and ThemesII** a. Ambedkar and Lohia on Social Justice b. Nehru and Jayaprakash Narayan on Democracy	R.C.Gupta (Indian Political Thought), O.P. Gouba (Indian Political Thought),	U Sharma (Modern Indian Political thought)	Monalisa haflongbar

	c. Pandita Ramabai on Patriarchy			

EVEN SEMESTER SYLLABUS DISTRIBUTION 2022-23:-

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

Unit No.	Unit & Topics	Texts	Further Readings	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)	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)	Rakhi 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)	Bhaswati Khersa
IV	The Universality of Rights a) Natural Rights b) Moral and Legal Rights c) Three Generations of Rights	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)	Limi Nampui
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)	Binuri Bodo

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

Unit No.	Unit & Topics	Texts	Further Readings	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)	Bhaswati Khersa
II	Determinants of Voting	Johori& Gupta (Political Process In India),	S.L. Sikri(Indian Government and Politics), KK Ghai	Roslyn

	Behaviour: Caste, Class, Gender and Religion	B.L. Fadia (Indian Government and Politics)	(Indian Government and Politics)	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)	Monalisa Haflongbar
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)	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)	Rakhi M. Gogoi

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

Unit No.	Unit & Topics	Texts	Further Readings	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)	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)	Roslyn Changsan
III	a. Power Structure in India: Caste, class and patriarchy 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)	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)	Monalisa haflongbar
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)	Binuri Bodo

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

Unit No.	Unit & Topics	Texts	Further Readings	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)	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)	Rakhi M. Gogoi
III	Party System: Historical contexts of emergence of the party system and types of parties	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)	Bhaswati Khersa
IV	Nation-state: Historical evolution in Western Europe and postcolonial contexts 'Nation' and 'State': debates	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)	Monalisa Haflongbar
V	Federalism: Historical context of Federation and Confederation: debates around territorial division of power	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)	Limi Nampui

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

Unit No.	Unit & Topics	Texts	Further Readings	Teacher
I	Public Policy a. Definition, characteristics and models b. Public Policy Process in India	Johori& 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)	Bhaswati Khersa
II	Decentralization a. Meaning, significance and approaches and types b. Local Self Governance: Rural and Urban	Johori& 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)	Binuri Bodo
III	Budget a. Concept and Significance of Budget b. Budget Cycle in India c. Various Approaches and Types of Budgeting	Johori& 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)	Rakhi M. Gogoi
IV	Citizen and Administration	Johori& Gupta (Public Policy And Administration In India), Rumki	Ram Chandrasekharan (Public	Limi

	Interface a. Public Service Delivery b. Redressal of Public Grievances: RTI, Lokpal, Citizens' Charter and E-Governance	Basu (Public administration : Theories and concepts)	Policy And Administration In India),Arora & Goyal (Indian Public Administration : Institutions & Issues)	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	Johori& 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)	Roslyn Changsan

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

Unit No.	Unit & Topics	Texts	Further Readings	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),	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),	Limi Nampui
III	A .Ecological Issues: Historical Overview of International Environmental Agreements, Climate Change (BINURI BODO) 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),	Binuri Bodo
IV	a International Terrorism: Non-State Actors and State Terrorism; Post 9/11 developments	Rupak Dattagupta (Global Politics),Jindal & Kumar (Global Politics : Issues & Perspective), H. Shukla (Global Politics)	Andrew Heywood(Global Politics),S.C. Singhal (International Politics),	Roslyn Changsan

	b Migration c. Human Security			
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),	Bhaswati Khersa

FOURTH SEMESTER (SEC) SEC: P.Sc 401: PUBLIC OPINION AND SURVEY RESEARCH

Unit No.	Unit & Topics	Texts	Further Readings	Teacher
I	Public opinion: Definition and characteristics, its role.	Kothari & Garg (Research Methodology : Methods and Techniques), Sachdeva (Research Methodology)	W. Lippman(Public Opinion : A classic in political and social thought), Ram Ahuja (Research Methods), Nanda & Sharma (Political Science (Public opinion and survey research),	Bhaswati Khersa
II	Sampling: Meaning, Types, Sampling Error	Kothari & Garg (Research Methodology : Methods and Techniques), Sachdeva (Research Methodology)	W. Lippman(Public Opinion : A classic in political and social thought), Ram Ahuja (Research Methods), Nanda & Sharma (Political Science (Public opinion and survey research),	Rakhi M. Gogoi
III	a. Interviewing: Interview techniques, pitfalls. b. Questionnaire: Meaning, merits & demerits	Kothari & Garg (Research Methodology : Methods and Techniques), Sachdeva (Research Methodology)	W. Lippman(Public Opinion : A classic in political and social thought), Ram Ahuja (Research Methods), Nanda & Sharma (Political Science (Public opinion and survey research),	Limi Nampui
IV	Introduction to data processing and data analysis.	Kothari & Garg (Research Methodology : Methods and Techniques), Sachdeva (Research Methodology)	W. Lippman(Public Opinion : A classic in political and social thought), Ram Ahuja (Research Methods), Nanda & Sharma (Political Science (Public opinion and survey research),	Roslyn Changsan
V	Understanding opinion polls: merits & demerits	Kothari & Garg (Research Methodology : Methods and Techniques), Sachdeva (Research Methodology)	W. Lippman(Public Opinion : A classic in political and social thought), Ram Ahuja (Research Methods), Nanda & Sharma (Political Science (Public opinion and survey research),	Monalisa haflongbar

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

Unit No.	Unit & Topics	Texts	Further Readings	Teacher
I	**Approaches to International Relations:**	J.C. Johori (International Relations and politics)	V.K. malhotra (International Relations)	Binuri Bodo

	a) Classical Realism (Hans Morgenthau) and Neo-Realism (Kenneth Waltz) b) Neo-Liberalism			
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)	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)	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)	LIMI NAMPUI
V	India's Foreign Policy II: India's Policy of Non-alignment, India: An Emerging 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)	Roslyn Changsan

SIXTH SEMESTER (HONS) PSC-H-C-601 MODERN POLITICAL PHILOSOPHY

Unit No.	Unit & Topics	Texts	Further Readings	Teacher
I	Jean Jacques Rousseau: General Will; local or direct democracy; selfgovernment; origin of inequality.	R.C. Gupta (Western Political Thought), U. Sharma(Western Political Thought)	O.P.Gauba (Western Political thought)), Arora & Awasthy (Themes In Comparative Political Theory	Bhaswati Khersa
II	Mary Wollstonecraft: Women and paternalism; critique of Rousseau's idea of education; legal rights	Dr. Suprita Dash(Modern Political Philosophy)		Rakhi M. Gogoi
III	John Stuart Mill: Liberty, suffrage and subjection of women, right of minorities; utility principle	R.C. Gupta (Western Political Thought), U. Sharma(Western Political Thought)	O.P.Gauba (Western Political thought)), Arora & Awasthy (Themes In Comparative Political Theory	LIMI NAMPUI
IV	Karl Marx: Historical Materialism; Alienation, class struggle	R.C. Gupta (Western Political Thought), U. Sharma(Western Political Thought)	O.P.Gauba (Western Political thought)), Arora & Awasthy (Themes In Comparative Political Theory	Roslyn Changsan
V	Antonio Gramsci: State and Hegemony	R.C. Gupta (Western Political Thought), U. Sharma(Western Poltical Thought)	O.P.Gauba (Western Political thought)), Arora & Awasthy (Themes In Comparative Political Theory)	Bhaswati Khersa

SIXTH SEMESTER (HONS) PSC-H-C-602 INDIAN POLITICAL THOUGHT II

Unit No.	Unit & Topics	Texts	Further Readings	Teacher
I	Introduction to Modern Indian Political Thought	Bidyut Chakravarty and Pandey (Modern Indian Political Thought), H. Shukla (Indian Political Thought II)	O.P. Gauba (Indian Political Thought), U Sharma (Modern Indian Political Thought)	LIMI NAMPUI
II	Rammohan Roy: Rights, Tagore: Critique of Nationalism ,Vivekananda: Ideal Society	Bidyut Chakravarty and Pandey (Modern Indian Political Thought), H. Shukla (Indian Political Thought II)	O.P. Gauba (Indian Political Thought), U Sharma (Modern Indian Political Thought)	Rakhi M. Gogoi
III	Pandita Ramabai: Gender	Bidyut Chakravarty and Pandey (Modern Indian Political Thought), H. Shukla (Indian Political Thought II)	O.P. Gauba (Indian Political Thought), U Sharma (Modern Indian Political Thought)	Roslyn Changsan
IV	Gandhi: Swaraj, Ambedkar: Social Justice, Savarkar: Hindutva	Bidyut Chakravarty and Pandey (Modern Indian Political Thought), H. Shukla (Indian Political Thought II)	O.P. Gauba (Indian Political Thought), U Sharma (Modern Indian Political Thought)	Bhaswati Khersa
V	Iqbal: Community, Nehru: Secularism, Lohia: Socialism	Bidyut Chakravarty and Pandey (Modern Indian Political Thought), H. Shukla (Indian Political Thought II)	O.P. Gauba (Indian Political Thought), U Sharma (Modern Indian Political Thought)	Limi Nampui

SIXTH SEMESTER (HONS) DSE-H- 601: Development Process & Social Movements in Contemporary India

Unit No.	Unit & Topics	Texts	Further Readings	Teacher
I	Development Process since Independence a. State and planning b. Liberalization and reforms	ABhay P. Singh (Development Process & Social Movements in Contemporary India), Bipan Chandra (India after independence)	M.S. Rao (Social Movements in India), Fadia & Fadia(Indian Govt. & Politics), Menon&Sabberwal (Development Process & Social Movements in Contemporary India),	Rakhi M. Gogoi
II	Industrial Development Strategy and its Impact on the Social Structure a. Mixed economy, privatization, the impact on organized and unorganized labour b. Emergence of the new middle class	ABhay P. Singh (Development Process & Social Movements in Contemporary India), Bipan Chandra (India after independence)	M.S. Rao (Social Movements in India), Fadia & Fadia(Indian Govt. & Politics), Menon&Sabberwal (Development Process & Social Movements in Contemporary India),	Roslyn Changsan
III	Agrarian Development Strategy and its Impact on the Social Structure a. Land Reforms, Green Revolution b. Agrarian crisis since the 1990s and its impact on farmers	ABhay P. Singh (Development Process &Social Movements in Contemporary India), Bipan Chandra (India after independence)	M.S. Rao (Social Movements in India), Fadia &Fadia(Indian Govt. & Politics), Menon&Sabberwal (Development Process & Social Movements in Contemporary India),	Bhaswati Khersa
IV	Social Movements a. Tribal, Peasant, Dalit and Women's	ABhay P. Singh (Development Process & Social Movements in Contemporary India),	M.S. Rao (Social Movements in India), Fadia & Fadia(Indian Govt. & Politics), Menon&Sabberwal	LIMI NAMPUI

	movements	Bipan Chandra (India after independence)	(Development Process & Social Movements in Contemporary India),	
V	a. Maoist challenge b. Civil rights movements	ABhay P. Singh (Development Process & Social Movements in Contemporary India), Bipan Chandra (India after independence)	M.S. Rao (Social Movements in India), Fadia & Fadia(Indian Govt. & Politics), Menon&Sabberwal (Development Process & Social Movements in Contemporary India),	Roslyn Changsan

SIXTH SEMESTER (HONS) DSE-H-602: FREEDOM MOVEMENT AND POLITICS IN NORTH EAST INDIA

Unit No.	Unit & Topics	Texts	Further Readings	Teacher
I	a) Geopolitical and Historical Profile of North East in the 19th. Century- British Annexation and the Amalgamation of Sylhet and Cachar to Assam and its Consequences b) Nature and Growth of Freedom Struggle in different parts of the North East in the 19th Century	S.K, Chaube(Hill Politics in NE India), Priyam Goswami (The History of Assam), P.N. Datta (Assam History)	A. Gait(A history of Assam), Rajiv Gandhi University(History of North East India (1228-1947),	Rakhi M. Gogoi
II	a) Formation of the Indian National Congress-the Moderate and the Militant Phase and their Impact on the North East b) Gandhian Era and the Northeast - Non Cooperation Movement, Civil Disobedience Movement and Quit India Movement	S.K, Chaube(Hill Politics in NE India), Priyam Goswami (The History of Assam), P.N. Datta (Assam History)	A. Gait(A history of Assam), Rajiv Gandhi University(History of North East India (1228-1947)	LIMI NAMPUI
III	a) North East in the Twilight of Independence - Cabinet Mission, the Grouping Plan and Partition	S.K, Chaube(Hill Politics in NE India), Priyam Goswami (The History of Assam), P.N. Datta (Assam History)	A. Gait(A history of Assam), Rajiv Gandhi University(History of North East India (1228-1947),	Bhaswati Khersa
IV	a) Congress and Muslim League Politics in the North East b) Referendum and the Transfer of Sylhet to Pakistan and its Consequences	S.K, Chaube(Hill Politics in NE India), Priyam Goswami (The History of Assam), P.N. Datta (Assam History)	A. Gait(A history of Assam), Rajiv Gandhi University(History of North East India (1228-1947),	Roslyn Changsan
V	a) Politics of Immigration before and after Independence b) Language Politics and Re-organisation of Assam, Antiforeigners Agitation in Assam	S.K, Chaube(Hill Politics in NE India), Priyam Goswami (The History of Assam), P.N. Datta (Assam History)	A. Gait(A history of Assam), Rajiv Gandhi University(History of North East India (1228-1947),	Rakhi M. Gogoi

	and its Consequences in the North East c) Autonomy / Statehood Movements, Insurgency and its Impact			

SIXTH SEMESTER SEC: P.Sc Pass 601: CONFLICT AND PEACE BUILDING

Unit No.	Unit & Topics	Texts	Further Readings	Teacher
I	a. Understanding Conflicts b. Conflict Resolution.	N.C. Mazumdar (Conflict And Peace Building), Rakib Ahmed Zia(Conflict And Peace Building)	BPSE 146 (Conflict Resolution and Peace Building)	Bhaswati Khersa
II	Dimensions of Conflict I a. Ideology b. Economic / Resource Sharing Conflicts.	N.C. Mazumdar (Conflict And Peace Building), Rakib Ahmed Zia(Conflict And Peace Building)	BPSE 146 (Conflict Resolution and Peace Building)	LIMI NAMPUI
III	Dimensions of Conflict II Socio – Cultural conflicts with reference to North East India	N.C. Mazumdar (Conflict And Peace Building), Rakib Ahmed Zia(Conflict And Peace Building)	BPSE 146 (Conflict Resolution and Peace Building)	Roslyn Changsan
IV	Sites of Conflict a. National b. International	N.C. Mazumdar (Conflict And Peace Building), Rakib Ahmed Zia(Conflict And Peace Building)	BPSE 146 (Conflict Resolution and Peace Building)	LIMI NAMPUI
V	Understanding peace building and Galtung's theory of peace building	N.C. Mazumdar (Conflict And Peace Building), Rakib Ahmed Zia(Conflict And Peace Building)	BPSE 146 (Conflict Resolution and Peace Building)	Rakhi M. Gogoi

SIXTH SEMESTERDSE: P.sc Pass 601: ADMINISTRATION AND PUBLIC POLICY: CONCEPTS AND THEORIES

Unit No.	Unit & Topics	Texts	Further Readings	Teacher
I	Public administration as a discipline: Meaning, scope and significance of the subject, public and private administration, brief evolution and major approaches, and comparative approaches to public administration	M.P. Sharma & B.L. Sadana (Public administration),Avasthi & Maheshwari (Public Administration), B. Chakravarty& M. Bhattacharya (Public Administration : A Reader)	S. Maheshwari(Administrative thinker),A. Singh (Public Administration: Roots & wings)	LIMI NAMPUI
II	Administrative theories: the	M.P. Sharma & B.L. Sadana (Public	S. Maheshwari(Administrative thinker),A. Singh (	Bhaswati

	classical theory, scientific management, the human - relation theory, and rational decision-making	administration),Avasthi & Maheshwari (Public Administration), B. Chakravarty& M. Bhattacharya (Public Administration : A Reader)	Public Administration: Roots & wings)	Khersa
III	Understanding public policy: concept and theories, relevance of policy making in public administration and process of policy formulation and implementation and evaluation	The Oxford Handbook Of Public Policy, understanding Public Policy, Rumki Basu (Public Administration)	Prabir Kr. De (Public Policy and Systems), R. V. Vaidyanath Ayyar (Public Policy Making in India), K. Gupta (State and Public Policy)	Rakhi M. Gogoi
IV	From Development Administration to New Public Management. Elements and politics of development administration.	M.P. Sharma & B.L. Sadana (Public administration),Avasthi & Maheshwari (Public Administration), B. Chakravarty& M. Bhattacharya (Public Administration : A Reader)	S. Maheshwari(Administrative thinker),A. Singh (Public Administration: Roots & wings)	Rakhi M. Gogoi
V	New Public Management paradigm – a critical perspective	M.P. Sharma & B.L. Sadana (Public administration),Avasthi & Maheshwari (Public Administration), B. Chakravarty& M. Bhattacharya (Public Administration : A Reader)	S. Maheshwari(Administrative thinker),A. Singh (Public Administration: Roots & wings)	Roslyn Changsan

1. **RG – DR. RAKHI MONI GOGOI**
2. **BK – MRS. BHASWATI KHERSA**
3. **RC – MRS. ROSLYN LAMTINTHEM CHANGSAN**
4. **LIMI NAMPUI- DR. LOILUNGTHIANGLIMI NAMPUI**
5. **MH – MS. MONALISA HAFLONGBAR**
6. **BINURI BODO- MS. BINURI BODO**

Rakhi M. Gogoi 10/8/2022

HOD
(Department of Political science)

Haflong govt. College

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DEPARTMENT OF BOTANY: HAFLONG GOVT. COLLEGE
PLAN FORCURRICULUM IMPLEMENTATION
ACADEMIC SESSION W.E.F. 2018 - 19

PREPARED BY
CURRICULUM IMPLEMENTATION COMMITTEE
DEPARTMENT OF BOTANY
HAFLONG GOVT. COLLEGE, HAFLONG .

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Plan for implementation of Four Year under Graduate (FYUG) Programme in Botany

Second Semester; Academic Session 2023 – 2024

Course Name: Cell Biology

Course code: BOT:DSC-151 T,

Credit:3 (All unit are equal credit & total contact hours 45)

Marks :70 Pass Marks:28

Course Objective: To study the cellular organization of prokaryotic and eukaryotic organisms.

Unit	Tropics	Taught by Teacher	Mode of teaching
I 2 3 4 5	Cell Structure and function of cell organelles Ultrstructure and function of nucleus Cell division and its regulation Techniques in cell biology	Mr. Ron Kamprai	Lecture,

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 Four Year under Graduate (FYUG) Programme in Botany

Second Semester; Academic Session 2023 – 2024

Course Name: Angiosper Morphology and Taxonomy

Course code: BOT:DSM-151 T,

Credit:3 (All unit are equal credit & total contact hours 45)

Marks :70 Pass Marks:28

Course Objective: To study the morphological features and classification of angiosperms.

Unit	Tropics	Taught by Teacher	Mode of teaching
I 2 3 4 5	Morphology Introduction to Plant Taxonomy Botanical Nomenclature Classification Angiosperm families	Dr. Jamshed Ali	Lecture,

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 Four Year under Graduate (FYUG) Programme in Botany

Second Semester; Academic Session 2023 – 2024

Course Name: Biodiversity Conservation

Course code: BOT:IDC-151 T,

Credit:3 (All unit are equal credit & total contact hours 45)

Marks :70 Pass Marks:28

Course Objective: To study the conservation and management of biodiversity.

Unit	Tropics	Taught by Teacher	Mode of teaching
I 2 3 4 5	General account Global biodiversity Biodiversity of India Protected areas Biogeographical regions	Dr. R.K. Upadhyay	Lecture,

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.

Course outcome: The course will provide a comprehensive overview on the conservation and management aspect of biodiversity and the importance of biodiversity conservation in the era of climate change.

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Second Semester; Academic Session 2023 – 2024

Course Name/Title: Mushroom cultivation

Course code: BOT:SEC - 151 T,

Credit:2 (All unit are equal credit & total contact hours 30)

Marks: 70 Pass Marks:28

Course Objective: To study the diverse aspects of mushroom cultivation and it's economic and medicinal Values

Unit	Tropics	Taught by Teacher	Mode of teaching
I 2 3 4 5	History of Mushroom Cultivation Cultivation Techniques Mushroom bed preparation Storage and Nutrition Food preparation	Mr. Ron Kamprai	Lecture,

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.

Course outcome: The course will provide the basis to understand the diverse aspects of mushroom cultivation and its importance.

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Plan for implementation of Four Years Under Graduate Programme in Botany

Academic Session- 2023 – 24

First Semester

BOT; DSC-101T

COURSE TITLE: Microbiology ; (All units are of equal credits)

Course Objective= To study the diversity and complexity of microbial world and its applications

PAPER CODE	UNIT WISE COURSE CONTENT OF PAPER	TAUGHT BY TEACHER	Remarks/Objective
BOTDSC 101	UNIT-1 General Microbiology UNIT-2 Virology and Bacteriology UNIT-3 Agricultural Microbiology UNIT-4 Food and Industrial Microbiology UNIT-5 Water, Environmental and Medical Microbiology	Mr. Ron Kemprai	**Course outcome:** The course will provide comprehensive overview on microbial world and its applications in diverse fields
Course title: Phycology and Mycology(All units are equal credits) **Course Objective**: To study the diversity , cellular organisation and its applications			
BOTDSC102	UNIT-1 Algae UNIT-2 Division of Algae UNIT-3 Fungal and its Associations UNIT-4 Major Division of Funfi UNIT-5 Applied Mycology	Dr. Jamshed ALI	**Course outcome:** The course will provide detected understanding of algae and fungi
Course title: Biodiversity(Microbes, Cryptogams& Gymnosperms) (All units are equal credits) **Course Objective**: To study the biodiversity of microbes, algae, bryophytes, pteridophytes & gymnosperms			
BOT; DSM- 101	Unit1- Microbes Unit-2 Algae Unit-3 Fungi & Lichen Unit-4 Bryophytes Unit-5 Pteridophytes and Gymnospers	Dr. Rishikesh Upadhaya	**Course outcome:** The course will highlight the diversity of microbial world along with cryptogams and gymnosperms

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Plan for implementation of Four Years Under Graduate Programme in Botany

Academic Session- 2023 – 24

First Semester

BOT; IDC

COURSE TITLE: Gardenig and Nursery Management (All units are of equal credits)

Course Objective= To study the multi-faced aspects of gardening and nursery

PAPER CODE	UNIT WISE COURSE CONTENT OF PAPER	TAUGHT BY TEACHER	Remarks/Objective
BOT:IDC- 101	UNIT-1 Gardenig Introduction UNIT-2 Nursery and Garden Management UNIT-3 Structures of Nursery and Gardens UNIT-4 Plant Propagation UNIT-5 Landscaping of Public Places, Indoor Gardening and Famous Gardens In India	Dr. Rishikesh Upadhaya	**Course outcome:** The course will help to empower students to take up gardening And nursery management as career option
Course title: Medicinal Plants & Herbal Technology(All units are equal credits) **Course Objective**: To study the use of medicinal Plants in improving human life			
BOT; SEC-101	UNIT-1 Traditional Systems of Medicine UNIT-2 Medicinal Plant and their Conservation; Application of Natural Products UNIT-3 Pharmacognosy UNIT-4 Phytochemistry and Analytical Pharmacognosy UNIT-5 Patenting and Regulatory Authorities of Natural Products	Mr. Ron Kemprai	**Course outcome:** The course will Provide comprehensive understanding in the unexplored medicinal plant and pharmacognosy in health care

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

Odd Semester; Session 2023 – 2024

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
I	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		
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.

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

Odd Semester; Session 2023– 2024

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
I	Origin of Culticated Plants	12	Dr. R.K.Upadhyay	Lecture,
2	Cereals	12		
3	Legumes	12		
4	Sources of sugars and starches	12		
5	Spices	12		
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 2023 – 2024

Course Name: Genetics

Course code: BOTHCC-303 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		
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 2023 – 2024

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
I	Meristematic and permanent tissue	12	Dr. Jamshed Ali	Lecture,
2	Secondary Growth	12		
3	Adaptive and protective system	12		
4	Structural organization of flower	12		
5	Pollination and fertilization	12		
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 2023 – 2024

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
I	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.

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

Odd Semester; Session 2023 – 2024

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
I	Plant water relation	12		
2	Mineral nutrition &uptake of Nutrition	12		
3	Translocation in the Phloem	12	Dr. R.K. Upadhyay	Lecture,
4	Plant growth regulations	12		
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 2023– 2024

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
I 2 3	Imaging and related techniques Cell fractionation Redioisotopes & Spectrophotometry	12 12 12	Dr. Jamshed Ali	Lecture,
4 5	Chromatography Characterization of Proteins and nucleic acids	12 12	Dr. R.K. Upadhyay	

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 2023 – 2024

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
I 2 3 4 5	Plant breeding Method of crop improvement Quantitative inheritence Inbreeding depression Crop improvement & Breeding	10 10 10 10 10	Mr. Ron Kamprai	Lecture,

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

Even Semester; Session 2023 – 2024

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
I	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.

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Plan for implementation of TDC (CBCS) ,Honours Course

Even Semester; Session 2023– 2024

Course Name: Archegonite

Course code: BOTHCC-202 T, Credit:4 Marks :70 Pass Marks:28

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
I	Introduction	12	Dr. Rishikesh Upadhyay	Lecture,
2	Bryophytes	12		
3	Types studies- Bryophytes	12		
4	Pteridophytes	12	Mr. Ron Kamprai	
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) , **Pass Courses**

Even Semester; Session 2023 – 2024

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
I	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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Plan for implementation of TDC (CBCS) , **Honours Course**
Even Semester ; Session 2023 – 2024

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
I	Nuclear acids	4	Mr. Ron Kamprai	Lecture,
2	The structure of DNA and RNA	10		
3	The replication of DNA	10		
4	Central dogmaand genetic code	2		
5	Transcription	18		
6	Processing and modificationof 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 2023– 2024
Name of Course: **Plant Ecology and Phytopathology**
Course code: BOTHCC402T, Credit:4 Marks :70 Pass Marks:28

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
I	Introduction	4	Dr. Rishikesh Upadhyay	Lecture,
2	Soil	8		
3	Water	4		
4	Light,temperature,wind and fire	6		
5	Biotic interactions	2		
6	Population ecology	4		
7	Plant communities	8	Dr. Jamshed Ali	
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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Plan for implementation of TDC (CBCS) ,**Honours Course**
Even Semester ; Session 2023 – 2024

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

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
I	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.

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Plan for implementation of TDC (CBCS) , **Pass Course**
Even Semester ; Session 2023 – 2024

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
I	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		

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
Even Semester; Session 2023 – 2024
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		
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.

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Plan for implementation of TDC (CBCS) ,**Honours Course**
Even Semester; Session 2023– 2024
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
I	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 2023– 2024

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.

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

Even Semester; Session 2023– 2024

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 Microtectniques	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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Plan for implementation of TDC (CBCS), Honours Course.
Session- 2022-2023
ODD SEMESTER FROM JULY 2022

UNIT	PAPER HONOURS	MARKS	COURSE CONTENTS OF PAPER/TOPICS	UNIT WISE TAUGHT BY TEACHING FACULTY
I	BOTHCC301 T	7	Plant water relation	Dr. Jamshed Ali
II	BOTHCC302 T	7	Nitrogen metabolism	
III	BOTHCC303 T	7	Secondary body of plant	
III	BOTHCC501 T	7	Botanical nomenclature	
IV	BOTH5CC02 T	14	Conservation Biology, Role of national and International organism	
IV	BOTHCC101T	20	Algae-Significant contribution of important Phycologists	
I	BOTHCC102T	50	Biomolecules	
IV	BOTHCC103L	10	Phycology	
II	BOTHCC301 T	7	Transport of organic substance	
I	BOTHCC302 T	14	Growth and development	
II	BOTHCC303 T	7	Meristems and development /secondary body of the plant	
IV	BOTHCC501	7	Phylogeny of angiosperms	
IV	BOTHCC502	7	Diversity of ecosystems	
V	BOTHCC503	7	Alternations in genetic make up	
II	BOTHCC101T	20	Viruses	Mr.Ron kamprai
IV	BOTHCC102T	20	Cell organelles	
III	BOTHCC104L	50	Biomolecules and cell biology	
V	BOTHCC301	7	Photosynthesis, Carbohydrate and	
V	BOTHCC302	7	Lipid metabolism	
I	BOTHCC303	7	Plant fibres, timber and firewood, rubber	
II	BOTHCC501	14	Introduction, systematic practice	
IV	BOTHCC502	7	Impact of human activities	
IV	BOTHCC101T	30	Algae-general characteristic, division of algae	Dr. R. K. Upadhyay
V	BOTHCC102T	20	Cell division	
V	BOTHCC103L	50	Qualitative tests, cell structure, etc.	

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I	BOTHHCC104L	50	Bacterial	Mr. Ron Kemprai
	BOTHCC101T	20	Cell structures	
III	BOTHCC102T	20	Biomolecules and cell biology	
II	BOTHCC104L	50	Mineral Nutrition	
II	BOTHCC301	7	Protein metabolism/Carbohydrates	
IV	BOTHCC302	7	Domestication of plant	
III	BOTHCC303	7	Maternal influence Multiple alleles,	
II&III	BOTHCC503	21	Linkage on inheritance,	
IV				
I	BOTHCC101T	20	Introdution to microbial world	Dr. R. K. Upadhyay
II	BOTHCC102T	20	Bioenergetics enzymes	
	BOTHCC104L	50	Biomolecules and cell biology	
V	BOTHCC301	7	Respiration	
II	BOTHCC302	7	Energy of flow and enzymology	
IV	BOTHCC303	7	Cereals and carbohydrates	
V	BOTHCC501	7	Modern taxonomy	
I	BOTHCC502	7	The environment Genetics, Mendels	
I	BOTHCC503	7	experiments	

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Plan for implementation of TDC (CBCS), Pass Course.
Session- 2022-2023.
Odd Semester from July 2022

UNIT	PAPER PASS	MARK	COURSE CONTENTS OF PAPER/ TOPICS	UNIT WISE TAUGHT BY TEACHING FACULTY
IV IV III II V V	BOTDSC102L BOTP301 BOTP501 BOTDSC101T BOTDSC102L BOTP301 BOTP501	50 7 7 20 50 7 7	Biodiversity(Microbes,Algae, Fungi) Archegoniate Classification of Angiosperms, Enzymology Algae and fungi Biodiversity(Microbes, Algae, Fungi Diversity of flowering plants Growth and development	Dr. Jamshed Ali
V II II III	BOTDSC101T BOTDSC102L BOTP301 BOTP501	20 50 7 14	Gymnosperm Biodiversity(Microbes,Algae, Fungi) Archegoniate Gymnosperm classification Photosynthesis, Respiration	Dr.R. K. Upadhyay
III II I I	BOTDSC101T BOTDSC101T BOTDSC102L BOTP301 BOTP501	20 50 20 7 7	Microbes Bryophytes Biodiversity(Microbes,Algae, Fungi) Archegoniate Characteristics of seed plant Plant water relation	Mr.Ron Kemprai
 IV III IV	BOTDSC101T BOTDSC102L BOTP301 BOTP501	20 50 7 7	Pteridophytes Biodiversity(Microbes,Algae, Fungi) Archegoniate Angiosperm taxonomy Mineral Nutrition, N, Metabolism	Dr. R. K. Upadhyay

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Plan for implementation of TDC (CBCS), Pass Course.
Session- 2022-2023.
Odd Semester from July 2022

UNIT	PAPER PASS	MARK	COURSE CONTENTS OF PAPER/ TOPICS	UNIT WISE TAUGHT BY TEACHING FACULTY
IV IV III II V V	BOTDSC102L BOTP301 BOTP501 BOTDSC101T BOTDSC102L BOTP301 BOTP501	50 7 7 20 50 7 7	Biodiversity(Microbes,Algae, Fungi) Archegoniate Classification of Angiosperms, Enzymology Algae and fungi Biodiversity(Microbes, Algae, Fungi Diversity of flowering plants Growth and development	Dr. Jamshed Ali
V II II III	BOTDSC101T BOTDSC102L BOTP301 BOTP501	20 50 7 14	Gymnosperm Biodiversity(Microbes,Algae, Fungi) Archegoniate Gymnosperm classification Photosynthesis, Respiration	Dr.R. K. Upadhyay
III II I I	BOTDSC101T BOTDSC101T BOTDSC102L BOTP301 BOTP501	20 50 20 7 7	Microbes Bryophytes Biodiversity(Microbes,Algae, Fungi) Archegoniate Characteristics of seed plant Plant water relation	Mr.Ron Kemprai
 IV III IV	BOTDSC101T BOTDSC102L BOTP301 BOTP501	20 50 7 7	Pteridophytes Biodiversity(Microbes,Algae, Fungi) Archegoniate Angiosperm taxonomy Mineral Nutrition, N, Metabolism	Dr. R. K. Upadhyay

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Plan for implementation of TDC (CBCS) ,Honours Course

Even Semester; Session 2022 – 2023

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
I	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.

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Plan for implementation of TDC (CBCS) ,Honours Course

Even Semester; Session 2022 – 2023

Course Name: Archegonite

Course code: BOTHCC-202 T, Credit:4 Marks :70 Pass Marks:28

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
I	Introduction	12	Dr. Rishikesh Upadhyay	Lecture,
2	Bryophytes	12		
3	Types studies- Bryophytes	12		
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) , **Pass Courses**

Even Semester; Session 2022 – 2023

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 & idenfication	12		
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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Plan for implementation of TDC (CBCS) ,Honours Course
Even Semester; Session 2022 – 2023
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		
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.

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Plan for implementation of TDC (CBCS) ,Honours Course
Even Semester; Session 2022 – 2023
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
I	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 2022 – 2023

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	Micribial enzymes of industrial interest and enzymes immobilization	12		
4	Microbes flora of water	12		
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.

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Plan for implementation of TDC (CBCS) ,Honours Course

Even Semester; Session 2022 – 2023

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 Microtectniques	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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Plan for implementation of TDC (CBCS) ,Honours Course
Even Semester ; Session 2022 – 2023

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
I	Nuclear acids	4	Mr. Ron Kamprai	Lecture,
2	The structure of DNA and RNA	10		
3	The replication of DNA	10		
4	Central dogmaand genetic code	2		
5	Transcription	18		
6	Processing and modificationof 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.

Name of Course: Plant Ecology and Phytopathology
Course code: BOTHCC402T, Credit:4 Marks :70 Pass Marks:28

Unit	Tropics	N0 of Lectures	Teachers to whom allotted	Mode of teaching
I	Introduction	4	Dr. Rishikesh Upadhyay	Lecture,
2	Soil	8		
3	Water	4		
4	Light,temperature,wind and fire	6		
5	Biotic interactions	2		
6	Population ecology	4		
7	Plant communities	8		
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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Name of Course: Plant Systematics

Course code: BOTHCC403T, 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		
2	Taxonomic hierarchy	6		
3	Botanical nomenclature	10	Dr. Jamshed Ali	
4	Systems of Classification	12		Lecture,
5	Biometrics, numerical taxonomy and Clsdistics	10		
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.

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
I	Plant-water relations & Mineral nutrition	12		
2	Translocation in Phloem & Photosynthesis	12	Dr. Rishikesh Upadhyay	Lecture,
3	Respiration	12		
4	Enzymes & Nitrogen metabolism	12		
5	Plant growth regulators & Plant response to light and temperature	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 2022-2023

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) Honours and TDC (CBCS) General for the Session 2022-23. 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):

Odd Semester from July 2022 to December 2022
Plan for Implementation of B. Sc (Chemistry) Honours and B. Sc (Chemistry) General CBCS Course program

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B. Sc First Semester Honours Program

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-	-do-
4	Chemical Bonding-II	-do-	-do-	-do-
5	Oxidation-Reduction	-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-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	Kazi Kawsar Ahmed
2	Gaseous State II	-do-	-do-	-do-
3	Liquid State	-do-	-do-	-do-
4	Solid State	-do-	-do-	-do-
5	Ionic Equilibria	-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-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	Uttam Kumar Paul
2	**Part II: Oxidation-Reduction Titrimetry** (i). Estimation of Fe (II) and Oxalic acid using standardized $KMnO_4$. (ii). Estimation of Fe (II) with $K_2Cr_2O_7$.	-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., $MgSO_4/MnCl_2/Na_2SO_4.10H_2O$). (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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B. Sc First Semester (General) Program

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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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	Dilip Chorei
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 Program

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-	-do-
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.

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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	Diwali Chakraborty
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-	-do-
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** =30, **Pass Marks** = 12

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, $MnPO_4.H_2O$. (iii). Preparation of Aluminium potassium sulphate $KAl(SO_4)_2.12H_2O$ (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	Kazi Kawsar Ahmed
2. Part-II	Study the kinetics of the following reactions (*any one*) (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), Course Name:** Analytical Clinical Biochemistry, **Contact Hours:** 60, **Credit:** 02, **Full Marks =** 50, **Pass Marks =** 20

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	Carbohydrates	T. G. Cooper: Tool of Biochemistry.	Laboratory work & Assignment	Uttam Kumar Paul
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-

Conditions and Co[illegible] [illegible] Qualifying the [illegible] 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) Program

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	Dewali Chakraborty
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-

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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	Dewali Chakraborty
	(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-	-do-

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B. Sc Fifth Semester (Major) Program

Course No. CHM-HCC-501T, **Course Name:** Organic Chemistry -IV (Biomolecules)

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

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	Nucleic Acids	J. M. Berg, J. L. Tymoczko, and L. Stryer, Biochemistry.	Lecture, Tutorial Seminar & Assignment	Sankar Neogi
2	Amino Acids, Peptides and Proteins	D. L. Nelson, M. M. Cox, and A. L. Lehninger, Principles of Biochemistry.	-do-	-do-
3	Enzymes	R. K. Murray, D. K. Granner, P. A. Mayes, and V. W. Harper's Rodwell, Illustrated Biochemistry.	-do-	-do-
4	Lipids	-do-	-do-	-do-
5	Pharmaceutical Compounds: Structure and Importance	-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-502T, **Course Name:** Physical Chemistry -V (Quantum Chemistry & Spectroscopy)
Contact Hours: 60, **Credit:** 04, **Full Marks** = 70, **Pass Marks** = 28

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	Quantum Chemistry I	D. A. Macqurre, Quantum Chemistry.	Lecture, Tutorial Seminar & Assignment	Uttam Kumar Paul
2	Quantum Chemistry II	A. K. Chandra, Introductory Quantum Chemistry.	-do-	-do-
3	Molecular Spectroscopy I	C. N. Banwell, & E. M. McCash, Fundamentals of Molecular Spectroscopy.	-do-	-do-
4	Molecular Spectroscopy II	-do-	-do-	-do-
5	Photochemistry	K. K. Rohotgi, Fundamentals of Photochemistry. V. P. Sharma and R. Kumar, Pericyclic Reaction and Organic Photochemistry.	-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-503L, **Course Name:** Organic Chemistry -V (Practical)

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

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1.	**Part-I: Organic synthesis:** (a). Acetylation of salicylic acid, aniline, and hydroquinone, benzoylation of aniline and phenol. b). Aliphatic electrophilic substitution: preparation of iodoform from acetone/ethanol. (c). Aromatic electrophilic substitution: preparation of m-dinitrobenzene/preparation of methyl orange.	V. K. Ahluwalia & R. Aggarwal, Comprehensive Practical Organic Chemistry: Preparation and Quantitative Analysis.	Laboratory work & Assignment	Sankar Neogi
2.	**Part-II: Organic quantitative analysis:** (a). Estimation of glucose/cholesterol/urea/uric acid by colorimeter or by chemical methods. (b). Determination of saponification equivalent of an ester.	I. V. Arthur, Quantitative Organic Analysis.	-do-	-do-

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Course No. CHM-HCC-504L, **Course Name:** Physical Chemistry -V (Practical)

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

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	**Physical Experiments:** **(i).** Verification of Lambert-Beer's law and determine the concentration of $CuSO_4/KMnO_4/K_2Cr_2O_7$ in a solution of unknown concentration (ii). Determination of the concentrations of $KMnO_4$ and $K_2Cr_2O_7$ in a mixture. (iii). Study of the kinetics of iodination of propanone in acidic medium. (iv). Determination of the amount of iron present in a sample using 1,10-phenathroline. (v). Determination of the dissociation constant of an indicator (phenolphthalein) (vi). Study of the kinetics of interaction of crystal violet/ phenolphthalein with sodium hydroxide.	B. D. Khosla, V. C. Garg & A. Gulati, Senior Practical Physical Chemistry. C. W. Garland, J. W. Nibler & D. P. Shoemaker, Experiments in Physical Chemistry. A. M. Halpern & G. C. McBane, Experimental Physical Chemistry.	Laboratory work & Assignment	Uttam Kumar Paul

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Course No. CHM-DSE-501T **(Honours and General), Course Name:** Analytical Methods in Chemistry

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

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	Qualitative and Quantitative aspects of Analysis	Arthur I Vogel, A Test book of Quantitative Inorganic Analysis.	Lecture, Tutorial Seminar & Assignment	Diwali Chakraborty
2	UV-Visible and IR Spectrometry	S. M. Khopkar, Basic Concepts of Analytical Chemistry.	-do-	-do-
3	Flame Atomic Absorption and Emission Spectrometry:	D. A. Skoog, F. J. Holler and T. A. Nieman, Principles of Instrumental Analysis.	-do-	-do-
4	Thermal and Electro-analytical Methods of Analysis:	R. V. Ditts, Analytical Chemistry–Methods of separation.	-do-	-do-
5	Separation Techniques:	D. A. Skoog, F. J. Holler and T. A. Nieman, Principles of Instrumental Analysis.	-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-DSE-503L **(Honours and General), Course Name:** Analytical Methods in Chemistry

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

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	**Experiments** **(i).** Paper chromatographic separation of Fe^{3+}, Al^{3+}, and Cr^{3+}. (ii). Separation and identification of the monosaccharides present in the given mixture (glucose & fructose) by paper chromatography. Reporting the R_f values. (iii). Separate a mixture of Sudan yellow and Sudan Red by TLC technique and identify them on the basis of their Rf values. (iv). Chromatographic separation of the active ingredients of plants, flowers and juices by TLC. (v). Determine the pH of the given aerated drinks fruit juices, shampoos and soaps. (vi). Determination of Na, Ca, Li in cola drinks and fruit juices using flame photometric techniques. (vii). Analysis of soil: determination of pH of soil, total soluble salt, estimation of calcium, magnesium, phosphate, nitrate. (viii). Separation of metal ions from their binary mixture. (ix). Separation of amino acids from organic acids by ion exchange chromatography. (x). Determination of dissolved oxygen in water. (xi). Determination of chemical oxygen demand (COD).	S.M. Khopkar, Basic Concepts of Analytical Chemistry. Arthur I Vogel, A Test book of Quantitative Inorganic Analysis.	Laboratory work & Assignment	Dewali Chakraborty

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Course No. CHM-SEC-501T, **Course Name:** Chemistry of Cosmetics and Perfumes,
Contact Hours: 60, **Credit:** 04, **Full Marks** = 50, **Pass Marks** = 20

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	Hair dye, hair spray, shampoo, suntan lotions, face powder, lipsticks, talcum powder, nail enamel (General Study including composition and uses)	E. Stocchi: Industrial Chemistry. P. C. Jain, M. Jain: Engineering Chemistry. B. K. Sharma: Industrial Chemistry.	Lecture, Tutorial Seminar & Assignment	Kazi Kawsar Ahmed
2	Creams (cold, vanishing and shaving creams), antiperspirants and artificial flavours	-do-	-do-	-do-
3	Essential oils and their importance in cosmetic industries with reference to Eugenol, Geraniol, sandalwood oil, eucalyptus, rose oil, 2-phenyl ethyl alcohol, Jasmone, Civetone, Muscone	-do-	-do-	-do-
4	**Preparation of the following: (*any two*)** 1. Preparation of talcum powder. 2. Preparation of shampoo. 3. Preparation of enamels. 4. Preparation of hair remover	-do-	-do-	-do-
5	Preparation of the following: (*any two*) 1. Preparation of face cream. 2. Preparation of nail polish 3. Preparation of nail polish remover.	-do-	-do-	-do-

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Even Semester from January 2023 to June 2023

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

B. Sc 2nd Semester Honours Program as 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	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-	-do-
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-202T, **Course Name:** Physical Chemistry-1 (Chemical Thermodynamics and its Applications)

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

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	Chemical Thermodynamics I	P. Atkins. & J. de. Paula, Physical Chemistry. G. W. Castellan, Physical Chemistry.	Lecture, Tutorial Seminar & Assignment	Dewali Chakraborty
2	Chemical Thermodynamics II	-do-	-do-	-do-
3	Systems of Variable Composition	-do-	-do-	-do-
4	Chemical Equilibrium	-do-	-do-	-do-
5	Solutions and Colligative Properties	-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-203L, **Course Name:** Organic Chemistry-1 (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). 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-nitrobenzaldehyde 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-204 L, **Course Name:** Physical Chemistry – II (Practical)

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

Unit No.	Topics	Text Books	Mode of Teaching	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 2nd Semester General Program 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	Faculty
1	**Section A: Physical Chemistry** Chemical Energetics	G. W. Castellan, Physical Chemistry.	Lecture, Tutorial Seminar & Assignment	Uttam Kumar Paul
2	Equilibria	D. W. Ball, Physical Chemistry.	-do-	-do-
3	**Section B: Organic Chemistry** Alkyl and Aryl Halides	R. T. Morrison & R. N. Boyd: Organic Chemistry.	-do-	-do-
4	Alcohols, Phenols and Ethers: (Up to 5 Carbons)	Arun Bahl and B. S. Bahl: Advanced Organic Chemistry.	-do-	-do-
5	Stereochemistry & Carbohydrates	-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-DSC/GEC-202L, Course Name: Practical

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

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	**Section A: Physical Chemistry:** **(I). Thermochemistry** **(i).** Determination of heat capacity of a calorimeter. **(ii).** Determination of enthalpy of neutralization of hydrochloric acid with sodium hydroxide. (iii). Determination of enthalpy of ionization of acetic acid. (iv). Determination of integral enthalpy of solution of salts (KNO_3, NH_4Cl). (v). Determination of enthalpy of hydration of copper sulphate. (vi). Study of the solubility of benzoic acid in water and determination of ΔH. (II). **Ionic equilibria.** **(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. (ii). Preparation of Sodium acetate-acetic acid buffer solutions of different pH (the observed data to be compared with theoretical values).	B. D. Khosla, Senior Practical Physical Chemistry. A. I. Vogel: Textbook of Practical Organic Chemistry. F. G. Mann & B. C. Saunders, Practical Organic Chemistry.	Laboratory work & Assignment	Uttam Kumar Paul

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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-		-do-

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B. Sc 4th Semester Honours Program 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	Faculty
1	Coordination Chemistry I	J. E. Huheey, Inorganic Chemistry F. A. Cotton & G. Wilkinson, Advanced Inorganic Chemistry.	Lecture, Tutorial Seminar & Assignment	Dilip Chorei
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	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	Sankar Neogi
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	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	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_2O_3 by precipitating iron as $Fe(OH)_3$.	A. I. Vogel, A Textbook of Quantitative Inorganic Analysis.	Laboratory work & Assignment	Dilip Chorei
2. Part II	**Inorganic Preparations:** (i). Tetraamminecopper (II) sulphate, $[Cu(NH_3)_4]SO_4.H_2O$ (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	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	Sankar Neogi

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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	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	Uttam Kumar Paul

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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-

Qualifying marks for Theory and Assessment [illegible] from the students [illegible] 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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B. Sc 4th Semester General Program as per CBCS as 2018-19 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	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	Kazi Kawsar Ahmed
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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Course No. CHM-DSC/GE-402L, **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 Chemistry** **A.** Semi-micro qualitative analysis (two anions and two cations and excluding insoluble salts) out of the following: **Cations:** Pb^{2+}, Ag^{2+}, Bi^{3+}, Cu^{2+}, Cd^{2+}, Sn^{2+}, Fe^{3+}, Al^{3+}, Co^{2+}, Cr^{3+}, Ni^{2+}, Mn^{2+}, Zn^{2+}, Ba^{2+}, Sr^{2+}, Ca^{2+}, Mg^{2+}, NH_4^+ **Anions:** CO_3^{2-}, NO_2^-, NO_3^-, SO_4^{2-}, Cl^-, Br^-, I^-, BO_3^{3-}, PO_4^{3-}. **B (i).** Estimate the amount of nickel present in a given solution as bis(dimethylglyoximato) nickel (II) or aluminium as oximate in a given solution gravimetrically. (ii). Determine the composition of the Fe^{3+}-salicylic acid complex solution by Job's method. (iii). Estimation of (*a*) Mg^{2+} or (*b*) Zn^{2+} by complexometric titrations using EDTA. (iv). Estimation of total hardness of a given sample of water by complexometric titration. (v). Determination of concentration of Na^+ and K^+ using Flame Photometry.	A. I. Vogel, Qualitative Inorganic Analysis A. I. Vogel, Quantitative Chemical Analysis	Laboratory work & Assignment	Kazi Kawsar Ahmed
2	**Section B: Physical Chemistry** (I). Surface tension measurement (use of organic solvents excluded). Determination of the surface tension of a liquid or a dilute solution using a stalagmometer. (II). Viscosity measurement (***use of organic solvents excluded***). Determination of the relative and absolute viscosity of a liquid or dilute solution using an Ostwald's viscometer. (III). **Chemical Kinetics** Compare the strengths of HCl and H_2SO_4 by studying kinetics of hydrolysis of methyl acetate.	-do-	-do-	-do-

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B. Sc 6th Semester Honours Program as per CBCS as 2018-19 Syllabus

Course No. CHM-HCC-601T, **Course Name:** Inorganic Chemistry - IV (Organometallic Chemistry)

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

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	Organometallic Compounds - I	J. E. Huheey, E. A. Keiter & R. L. Keiter, Inorganic Chemistry, Principles of Structure and Reactivity.	Lecture, Tutorial Seminar & Assignment	Sankar Neogi
2	Organometallic Compounds - II	-do-	-do-	-do-
3	Reaction Kinetics and Mechanism	-do-	-do-	-do-
4	Catalysis by Organometallic Compounds	-do-	-do-	-do-
5	Principles in Qualitative Analysis	A. I. Vogel, Qualitative Inorganic Analysis.	-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-602T, **Course Name:** Organic Chemistry – V (Spectroscopy, Carbohydrates, Dyes and Polymers)
Contact Hours: 60, **Credit:** 04, **Full Marks** = 70, **Pass Marks** = 28

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	Organic Spectroscopy I	P. S. Kalsi, Textbook of Organic Chemistry. William Kemp, Organic Spectroscopy.	Lecture, Tutorial Seminar & Assignment	Dewali Chakraborty
2	Organic Spectroscopy II	-do-	-do-	-do-
3	Carbohydrates	J. Clayden, N. Greeves, S. Warren, P. Wothers, Organic Chemistry.	-do-	-do-
4	Dyes	I. L. Finar, Organic Chemistry, Volume 2: Stereochemistry and the Chemistry of Natural Products	-do-	-do-
5	Polymers	F. W. Billmeyer, Textbook of Polymer Science. V. R Gowariker, N. V. Viswanathan & J. Sreedhar, Polymer Science.	-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
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01/08/22
Dr. S. Neogi)
Head
Department of Chemistry
Haflong Govt. College
Head Dept. of Chemistry
Haflong Govt. College
Haflong

Course No. CHM-HCC-603L, **Course Name:** Inorganic Chemistry-IV (Practical)

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

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	**Qualitative Inorganic Analysis** Qualitative analysis of mixtures containing 3 anions and 3 cations. Emphasis should be given to the understanding of the chemistry of different reactions. The following radicals are suggested: CO_3^{2-}, NO_2^-, S^{2-}, SO_3^{2-}, $S_2O_3^{2-}$, CH_3COO^-, F^-, Cl^-, Br^-, I^-, NO_3^-, BO_3^{3-}, $C_2O_4^{2-}$· PO43-, NH_4^+, K^+, Pb^{2+}, Cu^{2+}, Cd^{2+}, Bi^{3+}, Sn^{2+}, Sb^{3+}, Fe^{3+}, Al^{3+}, Cr^{3+}, Zn^{2+}, Mn^{2+}, Co^{2+}, Ni^{2+}, Ba^{2+}, Sr^{2+}, Ca^{2+}, Mg^{2+} Mixtures should preferably contain one interfering anion, or insoluble component e.g., BaSO4, SrSO4, PbSO4, CaF2 or Al2O3 or combination of anions e.g. $CO3^{2-}$ and $SO3^{2-}$, NO_2^- and $NO3^-$, Cl^- and Br^-, Cl^- and I^-, B^- rand I^-, $NO3^-$ and Br^-, $NO3^-$ and I^-.	Vogel's Qualitative Inorganic Analysis, Revised by G. Svehla.	Laboratory Work & Assignment	Dewali Chakraborty

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Course No. CHM-HCC-604L, **Course Name:** Organic Chemistry -V (Practical)

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

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	**The following experiments to be carried out** (i). Extraction of caffeine from tea leaves (ii). Preparation of sodium polyacrylate. (iii). Preparation of urea formaldehyde. (iv). Analysis of Carbohydrate: aldoses and ketoses, reducing and non-reducing sugars. (v). Identification of simple organic compounds by IR spectroscopy and NMR spectroscopy (Spectra to be provided). (vi). Preparation of methyl orange.	A. I. Vogel, Quantitative Organic Analysis. V. K. Ahluwalia, & R. Aggarwal, Comprehensive Practical Organic Chemistry: Preparation and Quantitative Analysis. V. K. Ahluwalia & S. Dhingra, Comprehensive Practical Organic Chemistry: Qualitative Analysis	Laboratory work & Assignment	Sankar Neogi

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B. Sc 6th Semester General Program as per CBCS Syllabus

Course No. CHM-DSE-601T, **Course Name:** Inorganic Materials of Industrial Importance

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

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	Silicate Industries	E. Stocchi: Industrial Chemistry, Vol-I. W. D. Kingery, H. K. Bowen, D. R. Uhlmann: Introduction to Ceramics.	Lecture, Tutorial Seminar & Assignment	Sushanta Kumar Roy
2	Fertilizers	-do-	-do-	-do-
3	Surface Coatings	J. A. Kent: Riegel's Handbook of Industrial Chemistry.	-do-	-do-
4	Batteries	B. K. Sharma: Engineering Chemistry.	-do-	-do-
5	Alloys	-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-DSE-601L, **Course Name**: Practical

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

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	**Experiments** (i). Determination of free acidity in ammonium sulphate fertilizer. (ii). Estimation of Calcium in Calcium ammonium nitrate fertilizer. (iii). Estimation of phosphoric acid in superphosphate fertilizer. (iv). Electroless metallic coatings on ceramic and plastic material. (v). Determination of composition of dolomite (by complexometric titration). (vi). Analysis of (Cu, Ni); (Cu, Zn) in alloy or synthetic samples. (vii). Analysis of Cement.	P. C. Jain, M. Jain: Engineering Chemistry. R. Gopalan, D. Venkappayya, S. Nagarajan: Engineering Chemistry. J. A. Kent: Riegel's Handbook of Industrial Chemistry. E. Stocchi: Industrial Chemistry.	Laboratory work & Assignment	Sushanta Kumar Roy

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Course No. CHM-DSE-602P, **Course Name:** Dissertation (Project Work)

Contact Hours: 60 h, Credit: 06, **Full Marks** = 100, **Pass Marks** = 40

Unit No.	Topics	Text Books	Mode of Teaching	Faculty
1	One project work on inorganic/organic/physical/analytical/biochemical/environmental/agricultural chemistry. Submission of the project report in bound form and presentation of the project in front of the external examiner.		Laboratory work & Assignment	Dilip Chorei

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CURRICULUM PLANS OF THE DEPARTMENT OF MATHEMATICS

01. Curriculum Plan for the session 2022-23, 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	Mrs M Durpui
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, ex, log(l+x), (l+x)m, Maxima and Minima Indeterminate forms	Dr G Bodosa

02. Curriculum Plan for the session 2022-23, 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,	Mrs M Durpui

Dr. G. Bodosa
Associate Professor
Department of Mathematics

Principal (i/c)
Haflong Govt. College
Dima Hasao: Assam

Principal
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03. Curriculum Plan for the session 2022-23, 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 R, their properties, nested interval theorem, concept of cluster points and Bolzano-Weierstras 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	Mrs M Durpui

04. Curriculum Plan for the session 2022-23, 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 Zn 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,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	Mrs M Durpui
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: Zp, Q, R, and C, Subrings and ideals, prime, principal and maximal ideal	

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05. Curriculum Plan for the session 2022-23, 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 Schimdt orthogonalisation process, orthogonal complements, Bessel's inequality, the adjoint of a linear operator, least square approximation	

06. Curriculum Plan for the session 2022-23, 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 functioneeeeeit-y8 6t 46 iu gfurrrrr v s, 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	

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CURRICULUM IMPLEMENTATION for PHYSICS DEPARTMENT, 2022-2023

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 assesement exams of their respective courses. The internal assesement marks and student's attendance were then forwarded and finally uploaded in the University website.

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
	PHSDSE502	A. Nuclear and Particle Physics	Chinmoy Phookan	

		B. Advanced Mathematical Physics		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

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21/7/22

Dr. Chinmoy Kr. Phookan
Head, Dept. of Physics

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

ACADEMIC SESSION 2022-23

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 2022-2023. 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 following is the outline plan for implementation of the curriculum for the academic session 2022-2023.

ODD SEMESTERS from August 2022 to December 2022

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 *Euglena*, *Amoeba* and *Paramecium* (structure and nutrition) 3. Life cycle and pathogenicity of *Plasmodium vivax* and *Entamoeba histolytica* 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 *Sycon*, Life history of *Sycon* 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 *Obelia*	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Remedial

	3. Polymorphism in *Siphonophora* 4. Corals and coral reefs formation 5. General characteristics and affinities of Ctenophora		Total Teaching Hours:12
IV	**Platyhelminthes:** 1. General characteristics and classification up to classes 2. Life cycle and pathogenicity of *Fasciola hepatica* and *Taenia solium* 3. Parasitic adaptations in Platyhelminthes	Dr. Mandira Lohar	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 *Ascaris lumbricoides* and *Wuchereria bancrofti* 3. General characteristics and significance of rotifers	Miss. Rini Kemprai	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 *Euglena, Amoeba* and *Paramecium,* Binary fission and Conjugationin *Paramecium*	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.), *Hyalonema, Euplectella, Spongilla*	Mrs. Anima Das	Lecture, Practical Total Hours: 5
4	Museum specimen for identification – *Obelia, Physalia, Millepora, Aurelia, Tubipora, Corallium, Alcyonium, Gorgonia, Metridium, Pennatula, Fungia, Meandrina, Madrepora,Fasciola hepatica, Taenia solium*	Dr. Mandira Lohar	Lecture, Practical Total Teaching Hours: 5
5	One specimen/slide of any ctenophore	Miss. Rini Kemprai	Lecture, Practical Total Hours: 5

6	Study of adult *Ascaris lumbricoides* and its life stages (Slides/micro-photographs)	Mr. Bubul Das	Lecture, Practical Total Hours: 5
7	To submit a Project Report on any related topic on life cycles	Dr. Sarbojit Thaosen	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, fecunditytables, 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, verticalstratification 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	Miss. Rini Kemprai	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
V	**Applied Ecology** 1. Concept of sanctuary, national park, biosphere reserve,	Dr. Mandira Lohar	Lecture, Tutorial Seminar, Test

	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		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-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 quadrate method andcalculation of Shannon-Weiner diversity index for the same community	Dr. Mandira Lohar	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/ZOOGE-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 Organellesand locomotion in Protozoa 2. General characters and classification of Porifera up to classes; Canal System in *Sycon* 3. General characters and classification up of Cnidaria to classes; Polymorphism in *Siphonophora*	Dr. Mandira Lohar	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
II	**Platyhelminthes, Nemathelmithes and Annelida** 1. General characters and classification of Platyhelminthes up to classes; Life history of *Taenia solium* 2. General characters and classification of Nemathelminthes up to classes; Life history of *Ascaris lumbricoides* and its parasitic adaptations 3. General characters and classification of Annelida up to classes; Digestive System ofLeech	Dr. Mandira Lohar	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	Miss. Rini Kemprai	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

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/ZOOGE-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: *Amoeba*, *Euglena, Plasmodium, Paramecium, Sycon*, *Hyalonema,* and *Euplectella, Obelia, Physalia, Aurelia, Tubipora, Metridium, Taenia solium,* Male and female *Ascaris lumbricoides, Aphrodite, Nereis, Pheretima, Hirudinaria, Palaemon, Cancer*, *Limulus*, *Palamnaeus, Scolopendra*, *Julus*, *Periplaneta,Apis, Chiton, Dentalium, Pila, Unio,Loligo, Sepia, Octopus, Pentaceros, Ophiura, Echinus, Cucumaria* and *Antedon, Balanoglossus, Herdmania, Branchiostoma, Petromyzon, Sphyrna, Pristis, Torpedo, Labeo, Exocoetus, Anguilla, Ichthyophis/Ureotyphlus, Salamandra, Bufo, Hyla, Chelone, Hemidactylus, Chamaeleon,Draco, Vipera, Naja, Crocodylus, Gavialis,* Any six common birds from different orders,*Sorex*, Bat, *unambulus, Loris.*	Dr. Mandira Lohar & Miss. Rini Kemprai	Lecture, Practical Remedial Total Teaching Hours: 15
2	Study of the following permanent slides: T.S. and L.S. of *Sycon*, Study of life history stages of *Taenia,* T.S. of Male and female *Ascaris*	Dr. Sarbojit Thaosen	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** 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	Miss. Rini Kemprai	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
II	**Agnatha and Pisces** 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. Mandira Lohar	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
III	**Amphibia and Reptilia** 1. General characteristics and classification up to order; Parental care in Amphibians 2. General characteristics, distribution and affinities of *Sphenodon* 3. Difference between poisonous and non-poisonous snakes 4. Poison apparatus and Biting mechanism in snakes	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Remedial Total Teaching Hours:12
IV	**Aves and mammals** 1. General characteristics and classification of Aves up to order; *Archaeopteryx* — generalcharacteristics 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	Dr. Sarbojit Thaosen	Lecture Tutorial Seminar Test Remedial Total Teaching Hours:12
V	**Zoogeography** 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: *Balanoglossus, Herdmania, Branchiostoma,* Colonial Urochordata Sections of*Balanoglossus* through, proboscis and branchiogenital regions, Sections of *Amphioxus* through pharyngeal, intestinal and caudal regions.	Miss. Rini Kemprai	Lecture, Practical Total Teaching Hours: 10
2	Agnatha: *Petromyzon, Myxine*	Dr. Mandira Lohar	Lecture, Practical Total Hours: 2
3	Fishes: *Scoliodon, Sphyrna, Pristis, Torpedo, Mystus, Heteropneustes, Labeo rohuta, Catla catla, Exocoetus, Echeneis, Anguilla, Hippocampus, Tetrodon/ Diodon, Anabas*	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
4	Amphibia: *Ichthyophis, Necturus, Bufo, Hyla, Alytes, Salamandra*	Mrs. Anima Das	Lecture, Practical Total Hours: 2
5	Reptilia: *Chelone, Trionyx, Hemidactylus, Varanus, Uromastix, Chamaeleon, Ophiosaurus, Draco, Bungarus, Vipera, Naja, Hydrophis, Crocodylus.* Key for Identification of poisonousand 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	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
7	Mammalia: Bat (Insectivorous and Frugivorous), *Funambulus, Loris, Herpestes.* Mount ofweberian ossicles, pecten from Fowl head	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
8	Project: Power point presentation on study of any two animals from two different classes bystudents	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	Mr. Bubul Das	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 themyelinated and non-myelinated nerve fibers 3. Types of synapse, Synaptic transmission and Neuromuscular junction 4. Reflex action and its types - reflex arc	Miss. Rini Kemprai	LectureTutorial 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 isometriccontraction	Mrs. Anima Das	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	Dr. Mandira Lohar	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	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-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	Miss. Rini Kemprai	Lecture, Practical Total Hours: 5
2	Demonstration of the unconditioned reflex action (Deep tendon reflex such as knee jerk reflex)	Miss. Rini Kemprai	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	Dr. Mandira Lohar	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, Polysaccharidesand Glycoconjugates	Dr. Mandira Lohar	Lecture, Tutorial Total Teaching Hours:12
II	**Lipids** 1. Classification of lipids; Structure and Significance: Physiologically important	Miss. Rini Kemprai	LectureTutorial Seminar, Test

	saturated andunsaturated fatty acids, Triacylglycerols, Phospholipids, Glycolipids, Steroids		Total Teaching Hours:12
III	**Proteins** 1. Amino acids: Structure, Classification and General properties of α-amino acids; Physiologicalimportance of essential and non-essential α-amino acids 2. Classification of proteins, bonds stabilizing protein structure; Levels of organization inproteins 3. Introduction to simple and conjugate proteins	Dr. Sarbojit Thaosen	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 ofMichaelis-Menten equation, Concept of Km and Vmax 3. Regulation of enzyme action	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-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	Dr. Mandira Lohar	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	Miss. Rini Kemprai	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: ZOOSEC-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	Miss. Rini Kemprai	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	Dr. Mandira Lohar	Lecture, Tutorial Seminar, Test Total Hours: 6
IV	**Bee Economy** 1. Products of Apiculture Industry and its Uses (Honey, Bees Wax, Propolis), Pollen etc.	Miss. Rini Kemprai	Lecture, Tutorial Total Hours: 6
V	**Entrepreneurship in Apiculture** 1. Bee Keeping Industry – Recent Efforts, Modern methods in employing artificial Beehives forcross pollination in horticultural gardens	Mrs. Anima Das	Lecture, Tutorial Total Teaching Hours: 6

Plan for implementation of B.Sc. (General) Zoology Programme
Third Semester
DISCIPLINE SPECIFIC GENERAL ELECTIVE
Course Code: ZOODSC/ZOOGE-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	Miss. Rini Kemprai	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 andcarbon 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	Dr. Mandira Lohar	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
IV	**Reproduction and Endocrine Glands** 1. Physiology of male reproduction: hormonal control of spermatogenesis; Physiology offemale 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 UreaCycle	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/ZOOGE-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	Dr. Mandira Lohar	Lecture, Practical Total Hours: 5
2	Study of permanent histological sections of mammalian pituitary, thyroid, pancreas, adrenal gland	Miss. Rini Kemprai	Lecture, Practical Total Hours: 5
3	Study of permanent slides of spinal cord, duodenum, liver, lung, kidney, bone, cartilage	Miss. Rini Kemprai	Lecture, Practical Total Hours: 5
4	Qualitative tests to identify functional groups of carbohydrates in given solutions(Glucose, Fructose, Sucrose, Lactose)	Dr. Sarbojit Thaosen	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	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Total Hours:12
II	**DNA Replication** 1. DNA Replication in prokaryotes and eukaryotes, mechanism of DNA replication,	Miss. Rini Kemprai	Lecture, Tutorial Seminar, Test

	Semi- conservative, bidirectional and semi-discontinuous replication, RNA priming, replication oftelomeres		Total Teaching Hours:12
III	**Transcription and Regulatory RNAs** 1. RNA polymerase and transcription Unit, mechanism of transcription in prokaryotes andeukaryotes, synthesis of rRNA and mRNA, transcription factors 2. Ribo-switches, RNA interference, miRNA, siRNA	Mr. Bubul Das	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, exonshuffling and RNA editing, Processing of tRNA 2. Transcription regulation in prokaryotes: Principles of transcriptional regulation with examplesfrom lac operon and trp operon	Dr. Mandira Lohar	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 Chironomous / Drosophila larvae	Dr. Mandira Lohar	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	Mr. Bubul Das	Lecture, Practical Total Hours: 5

4	Study and interpretation of electron micrographs/photograph showing (a) DNA replication, (b) Transcription, (c)Split genes	Dr. Mandira Lohar	Lecture, Practical Total Hours: 5

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	Dr. Mandira Lohar	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	Miss. Rini Kemprai	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	Dr. Sarbojit Thaosen	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 *Drosophila,* Transposons in humans	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-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/*Drosophila*.	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 10
3	Study of human karyotype (normal and abnormal).	Dr. Mandira Lohar	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 COURCES

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. Pinciples of innate and adaptive immune system	Miss. Rini Kemprai	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	Dr. Mandira Lohar	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.	Dr. Mandira Lohar	Lecture, Practical Total Hours: 5
4	ABO blood group determination.	Mrs. Anima Das	Lecture, Practical Total Hours: 5
5	Demonstration of ELISA and Immunoelectrophoresis through audio-visual aids.	Miss. Rini Kemprai	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.	Miss. Rini Kemprai	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; Bioluminiscience; 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 variationsin 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; Roleof waterquality 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	Dr. Mandira Lohar	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 *Pristis*, *Exocoetus*, *Hippocampus*, *Labeo, Heteropneustes, Anabas, Catla, Mirgal,Clarias, Notopterus, Cyprinus, Ompok, Telapia*	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 *Channa, Heteropneustes, Anabas* and *Clarias* 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)	Miss. Rini Kemprai	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: ZOOSEC-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. Mandira Lohar	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	Miss. Rini Kemprai	Lecture, Tutorial Seminar, Test Total Hours: 6
IV	**Fish Transportation** 1. Live fish transport - Fish handling, packing and forwarding techniques.	Dr. Mandira Lohar	Lecture, Tutorial Total Hours: 6
V	**Maintenance of Aquarium** 1. General Aquarium maintenance – budget for setting up an Aquarium Fish Farm as aCottage Industry	Dr. Sarbojit Thaosen	Lecture, Tutorial Total Teaching Hours: 6

EVEN SEMESTERS JANUARY 2023 TO JUNE 2023

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. Mandira Lohar	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	Miss. Rini Kemprai	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 *Pila* 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 *Asteroidea* 3. Larval forms in Echinodermata 4. Affinities with Chordates	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-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: Annelids - *Nereis, Heteronereis, Chaetopterus, Pheretima, Hirudinaria*	Dr. Mandira Lohar	Lecture, Practical Total Hours: 5
2	Arthropods - *Limulus, Palaemon, Daphnia, Balanus, Sacculina, Cancer, Scolopendra, Julus,Bombyx,*	Miss. Rini Kemprai	Lecture, Practical Total Hours: 5
3	*Periplaneta, termites and honey bees;* Onychophora - Peripatus	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
4	Molluscs - *Chiton, Pila, Doris, Helix, Unio, Sepia, Octopus, Nautilus*	Mrs. Anima Das	Lecture, Practical Total Hours: 5
5	Echinodermates - *Pentaceros/Asterias, Ophiura, Echinus, Cucumaria and Antedon*	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	Miss. Rini Kemprai	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	Dr. Mandira Lohar	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)	Miss. Rini Kemprai	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.	Dr. Mandira Lohar	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	Dr. Sarbojit Thaosen	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	Mr. Bubul Das	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	Dr. Mandira Lohar	Lecture, Tutorial Seminar, Test Total Hours:12
IV	**Nervous System and Sense Organs** 1. Comparative account of brain	Miss. Rini Kemprai	Lecture, Tutorial Seminar, Test Total Hours:12
V	**Early Embryonic Development** 1. Gametogenesis: Spermatogenesis and oogenesis w.r.t. mammals, 2. Fertilization: external (amphibians), internal (mammals), blocks to polyspermy; 3. Early development of humans (structure of mature egg and its membranes, patterns ofcleavage, fate map, up to formation of gastrula); 4. Implantation of embryo in humans, Formation of human placenta and functions, othertypes of placenta on the basis of histology;	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.

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.	Dr. Mandira Lohar	Lecture, Practical Total Hours: 5
4	Study of placental development in humans by ultrasound scans or photographs	Dr. Mandira Lohar	Lecture, Practical Total Hours: 5
5	Examination of gametes - frog/rat - sperm and ova through permanentslides or photomicrographs.	Miss. Rini Kemprai	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	Mr. Bubul Das	Lecture, Tutorial Seminar, Test

	2. Respiratory organs in amphibians and birds 3. Accessory respiratory organs in fishes		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	Dr. Mandira Lohar	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	Miss. Rini Kemprai	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	Dr. Mandira Lohar	Lecture, Practical Total Hours: 5
5	Study of structure of any two organs (heart, lung, kidney, eye and ear) from video recording	Miss. Rini Kemprai	Lecture, Practical Total Hours: 5
6	Project on skeletal modifications in vertebrates	Mr. Bubul Das	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.	Dr. Mandira Lohar	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; 3. Regulation of water balance; Regulation of acid-base balance 4. Hormonal regulation of the volume of urine	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Remedial 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 ofcardiac impulses Cardiac cycle; Cardiac output and its regulation, Electrocardiogram, 3. Blood pressure and its regulation	Miss. Rini Kemprai	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	Miss. Rini Kemprai	Lecture, Practical Total Hours: 5
3	Estimation of haemoglobin using haemoglobinometer	Dr. Mandira Lohar	Lecture, Practical Total Hours: 5
4	Preparation of haemin and haemochromogen crystals	Dr. Mandira Lohar	Lecture, Practical Total Hours: 5
5	Recording of frog's heart beat under *in situ* and perfused conditions	Dr. Sarbojit Thaosen	Lecture, Practical Total Hours: 5
6	Recording of blood pressure using a sphygmomanometer	Miss. Rini Kemprai	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	Miss. Rini Kemprai	Lecture, Tutorial Seminar, Test Total Teaching

	2. ATP as "Energy Currency of cell"; coupled reactions 3. Intermediary metabolism and regulatory mechanisms		Hours:12
II	**Carbohydrate Metabolism** 1. Sequence of reactions and regulation of glycolysis, Citric acid cycle, Phosphate pentosepathway, 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 un-couplers ofElectron Transport System	Dr. Mandira Lohar	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	Dr. Mandira Lohar	Lecture, Practical Total Hours: 5
3	Detection of Alkaline Phosphatase assay from tissue	Miss. Rini Kemprai	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.)	Miss. Rini Kemprai	Lecture Tutorial Seminar, Test Total Teaching Hours:12
II	**Diagnostic Methods Used for Urine Analysis** 1. Urine Analysis: Physical characteristics; Abnormal constituents	Miss. Rini Kemprai	Lecture, Tutorial Total Hours:12
III	**Non-infectious Diseases** 1. Causes, types, symptoms, complications, diagnosis and prevention of Diabetes (Type I and Type II), Hypertension (Primary and secondary), 2. Testing of blood glucose using Glucometer/Kit	Mrs. Anima Das	Lecture, Tutorial Seminar, Test Remedial Total Hours:12
IV	**Infectious Diseases** 1. Causes, types, symptoms, diagnosis and prevention of Tuberculosis andHepatitis	Dr. Mandira Lohar	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).	Dr. Mandira Lohar	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 GeneticInformation 2. Principles of Inheritance, Chromosome theory of inheritance, Incomplete dominanceand 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 Thaosen	Lecture, Tutorial Seminar, Test Total Hours:12
III	**Mutations** 1. Chromosomal Mutations: Deletion, Duplication, Inversion, Translocation, Aneuploidyand Polyploidy; 2. Gene mutations: Induced versus Spontaneous mutations, Back versus Suppressor mutations,	Miss. Rini Kemprai	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	Dr. Mandira Lohar	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), Artificialselection 2. Biological species concept (Advantages and Limitations); Modes of speciation (Allopatric, Sympatric)	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.

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.	Dr. Mandira Lohar	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 horseancestors	Miss. Rini Kemprai	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	Miss. Rini Kemprai	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;	Dr. Sarbojit Thaosen	Lecture, Tutorial Seminar, Test Total Teaching

	Planes andpatterns 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		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 compensatoryregeneration (with one example each); 3. Ageing: Concepts and Theories	Dr. Mandira Lohar	Lecture, Tutorial Seminar, Test Total Hours:12
V	**Implications of Developmental Biology** 1. Teratogenesis: Teratogenic agents and their effects on embryonic development; 2. *In vitro* 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 *Drosophila* through audio-visual aids	Miss. Rini Kemprai	Lecture, Practical Total Hours: 5

4	Study of different sections of placenta (photomicropgraph/slides)	Dr. Mandira Lohar	Lecture, Practical Total Hours: 5
5	Project report on *Drosophila* 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	Miss. Rini Kemprai	Lecture, Tutorial Seminar, Test Total Teaching Hours:12
III	1. Population genetics: Hardy-Weinberg Law (statement and derivation of equation); 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	Dr. Sarbojit Thaosen	Lecture, Tutorial 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)	Dr. Mandira Lohar	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 *Dryopithecus* leading to *Homo sapiens* 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	Miss. Rini Kemprai	Lecture, Practical Total Hours: 5
4	Graphical representation and interpretation of data of height/ weight of a sample of 100 humans inrelation to their age and sex.	Dr. Mandira Lohar	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 COURCES

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, genitalducts, external genitalia. 2. Gonadal hormones and mechanism of hormone action, steroids, glycoprotein hormones, andprostaglandins, 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, system 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; Steroidogenesisand secretion of ovarian hormones;	Miss. Rini Kemprai	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; Ovumtransport 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	Dr. Mandira Lohar	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 vitrofertilization 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.Ovarectomy, hysterectorny, castration and vasectomy in rats.	Dr. Mandira Lohar	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.	Miss. Rini Kemprai	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.	Miss. Rini Kemprai	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; 3. Sexual Behaviour: Asymmetry of sex, Sexual dimorphism, Mate choice, 4. Intra-sexual selection (male rivalry), Inter-sexual selection (female choice),	Mr. Bubul Das	Lecture, Tutorial Seminar, Test Remedial 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 andmasking; Circannual rhythms; 3. Photoperiod and regulation seasonal reproduction of vertebrates	Dr. Mandira Lohar	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.	Miss. Rini Kemprai	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.	Mr. Bubul Das	Lecture, Practical Total Hours: 15
5	Study of circadian functions in humans (daily eating, sleep and temperature patterns).	Dr. Mandira Lohar	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** 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** *1.* Life cycle of *Bombyx mori* 2. Structure of silk gland and secretion of silk	Miss. Rini Kemprai	Lecture, Tutorial Seminar, Test Total Hours:12
III	**Rearing of Silkworms** 1. Selection of mulberry variety and establishment of mulberry garden Rearing house	Mr. Bubul Das	Lecture, Tutorial

	andrearing 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		Seminar, Test Remedial Total Hours:12
IV	**Pests and Diseases** 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	Miss. Rini Kemprai	Lecture, Tutorial Seminar, Test Remedial Total Hours:12
V	**Entrepreneurship in Sericulture** 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. Mandira Lohar	Lecture, Tutorial Seminar, Test Remedial Total Hours:12

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Department of Commerce::Haflong Government College

Plan for Curriculum Implementation

ACADEMIC SESSION 2022-2023

Prepared by
Curriculum Implementation Committee
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 2022-23. 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, 4th, 5th and 6thsemesterrespectively for the session 2022-23. The following is the outline plan for implementation of the curriculum for the academic session 2022-23.

ODD SEMESTERS from August 2022 to December 2022

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	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:08
II	Business Correspondence 1	Mrs Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	Business Correspondence 11	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
IV	Report writing	Mrs Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
V	Oral Presentation	Mr. Roger L. Faihriem	*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)	Mr. DipjoyLangthasa	*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	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
V	Accounting for Inland Branches	Mr. DipjoyLangthasa	*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)	Mr. DipjoyLangthasa	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:30

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B. Com First SEMESTER Honours Programme
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	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
II	The Indian Contract Act: Specific Contracts	Mrs. K Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
III	The Sale of Goods Act 1930	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
IV	Partnership Laws- i) The Partnership Act, 1932 ii) The Limited Liability Partnership Act, 2008	Mrs. K Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	The Negotiable Instrument Act, 1881	Mrs. K Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13

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B. Com First SEMESTER Honours Programme
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 Behaviour	Mrs. Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
II	Production and Cost	Mrs. Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
III	Perfect Competition	Mrs. Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
IV	Monopoly	Mrs. Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
V	Imperfect Competition	Mrs. Amreen Khan	*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::MICRO ECONOMICS

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Demand and Consumer Behaviour	Mrs. Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
II	Production and Cost	Mrs. Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
III	Perfect Competition	Mrs. Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
IV	Monopoly	Mrs. Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
V	Imperfect Competition	Mrs. Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:16

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B. Com First SEMESTER General (Pass) Programme
Course Code:BCP DSC-101, Credits-05, Full Marks-70
Name of Course::FINANCIAL ACCOUNTING

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Theorotical framework of accounting	Mr Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:05
II	Computerized Accounting System (Tally 9.0)	Mr. DipjoyLangthasa	*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	Mr Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
V	Accounting for Inland Branches	Mr. DipjoyLangthasa	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14

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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	Mrs Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:05
II	Business Enterprises	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
III	Management and Organisation	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
IV	Leadership, Motivation and Control	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
V	Functional areas of Management	Mrs Deepika Kemprai	*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. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
II	Acquisition of Human Resource	Mrs Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
III	Training and Development	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
IV	Performance Appraisal	Mrs Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Maintenance of HR	Mrs Deepika Kemprai	*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	Mr. DipjoyLangthasa	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
II	Computation of Income under Income from salaries, Income from house property	Mr. DipjoyLangthasa	*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	Mr. DipjoyLangthasa	*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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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	Mrs Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
II	Planning	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
III	Organising	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
IV	Staffing and Leading	Mrs Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Controlling	Mr. Roger L. Faihriem	*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	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
II	Security and Encryption and IT Act	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	E-Payment system	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
IV	Online Business Transactions	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Website Designing	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14

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	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Website Designing	Mr. Roger L. Faihriem	*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. Chakborty	*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. Chakborty	*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	Mrs Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
II	Important Documents	Mrs. K Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	Management & Meeting of shareholders	Mrs. K Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
IV	Dividends	Mrs Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Winding up of Companies	Mrs. K Newme	*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	Mr. DipjoyLangthasa	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
II	Computation of Income under Income from salaries, Income from house property	Mr. DipjoyLangthasa	*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	Mr. DipjoyLangthasa	*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 General (Pass) Programme
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	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
II	Security and Encryption and IT Act	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	E-Payment system	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
IV	Online Business Transactions	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Website Designing	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14

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	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Website Designing	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14

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B.Com 5th SEMESTER Honours Programme
Course Code:BCH-CC-501, Credits-06, Full Marks-100
Name of Course::PRINCIPLES OF MARKETING

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Marketing	Mrs Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
II	Consumer Behaviour& Market Segmentation	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	Product Concept	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
IV	Pricing and Distribution	Mrs Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Promotion and Recent developments in marketing	Mrs Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14

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B.Com 5th SEMESTER Honours Programme
Course Code:BCH-CC-502, Credits-05, Full Marks-70
Name of Course::FUNDAMENTALS OF FINANCIAL MANAGEMENT

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Financial Management	Mr. DipjoyLangthasa	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
II	Investment Decisions	Mr Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	Financial Decisions	Mr. DipjoyLangthasa	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
IV	Dividend Decisions	Mr Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Working Capital Decisions	Mr. DipjoyLangthasa	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14

B. Com 5th SEMESTER Honours Programme
Course Code:BCH-CC-503, Credits-01, Full Marks-30
Name of Course: PRACTICAL ON FUNDAMENTALS OF FINANCIAL MANAGEMENT

Unit	Topic	Teachers to whom allotted	Mode of Teachings
II	Investment Decisions	Mr. DipjoyLangthasa	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	Financial Decisions	Mr Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07

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B.Com 5th SEMESTER Honours Programme
Course Code:BCH-DSE-501, Credits-06, Full Marks-100
Name of Course::MANAGEMENT ACCOUNTING

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Management Accounting	Mr Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:09
II	Budgetary Control	Mr. DipjoyLangthasa	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:12
III	Standard Costing	Mr. DipjoyLangthasa	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:12
IV	Marginal Costing	Mr Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:12
V	Decision Making	Mr. DipjoyLangthasa	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:20

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B.Com 5th SEMESTER Honours Programme
Course Code:BCH-DSE 501, Credits-06, Full Marks-100
Name of Course::FINANCIAL MARKETS INSTITUTIONS AND FINANCIAL SERVICES

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Financial Srvices	Mrs. K Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:08
II	Financial Markets	Mrs. K Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:17
III	Financial Institutions	Mr. DipjoyLangthasa	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:20
IV	Financial Services	Mrs. K Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:08
V	Leasing and Hire Purchase	Mr. DipjoyLangthasa	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:22

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B.Com 5th SEMESTER General (Pass) Programme
Course Code:BCP-DSE-501, Credits-06, Full Marks-100
Name of Course:PRINCIPLES OF MARKETING

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Marketing	Mrs Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
II	Consumer Behaviour& Market Segmentation	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	Product Concept	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
IV	Pricing and Distribution	Mrs Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Promotion and Recent developments in marketing	Mrs Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14

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B.Com 5th SEMESTER General (Pass) Programme
Course Code:BCP-DSE-502, Credits-06, Full Marks-100
Name of Course: FUNDAMENTALS OF FINANCIAL MANAGEMENT

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Financial Management	Mr. DipjoyLangthasa	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
II	Investment Decisions	Mr Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	Financial Decisions	Mr. DipjoyLangthasa	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
IV	Dividend Decisions	Mr Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Working Capital Decisions	Mr. DipjoyLangthasa	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14

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B.Com 5th SEMESTER General (Pass) Programme
Course Code:BCP-SEC-501, Credits-02+0, Full Marks-(35+15) =50
Name of Course: COMPUTER APPLICATION IN BUSINESS & PRACTICAL

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Word Processing 1	Dr. A. Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:05
II	Word Processing II	Dr. A. Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:05
III	Preparing Presentations	Mr. S. Chakborty	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hour07
IV	Spreadsheet and its business Applications	Dr. A. Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
V	Generally Used Spreadsheet Functions	Dr. A. Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07

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B.Com 5th SEMESTER General (Pass) Programme
Course Code:BCP-GE-501, Credits-06, Full Marks-100
Name of Course: PRINCIPLES OF MICRO ECONOMICS

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Demand and Supply	Mrs. Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
II	Consumer Theory	Mrs. Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
III	Production and Cost	Mrs. Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hour13
IV	Market Structure	Mrs. Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Income Distributions and Factor Pricing	Mrs. Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13

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B. Com 5th SEMESTER General (Pass) Programme
Course Code: BCP-DSE 501, Credits-06, Full Marks-100
Name of Course: AUDITING AND CORPORATE GOVERNANCE

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction	Mr. Madan Ch Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
II	Audit of Companies	Mrs. . Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
III	Special areas of Audit	Mr. Madan Ch Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
IV	Corporate Governance and Business Ethics	Mrs. . Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Corporate Social Responsibility	Mr. Madan Ch Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13

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Plan for Curriculum Implementation

EVEN SEMESTERS from January 2023 to June 2023

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	Mrs. K. Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:12
II	Final Accounts of Companies	Mrs. K. Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:09
III	Valuation of Goodwill and valuation of shares	Mrs. K. Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:06
IV	Accounting of Holding Companies/Parent Companies	Mrs. K. Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:12
V	Banking and Insurance Accounts	Mrs. K. Newme	*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::CORPORATE LAWS

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Corporate Law	Mrs. K. Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15
II	Documents	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15
III	Management of Companies	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15
IV	Dividends, Accounts..	Mrs. K. Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15
V	Depositories Law	Mrs. K. Newme	*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	Miss Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:05
II	Economy in the short run	Miss Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:20
III	Inflation, Unemployment and Labour Market	Miss Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:20
IV	Open Economy	Miss Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Investments	Miss Amreen Khan	*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
I	The Indian Contract Act, 1872; General Principles	Mrs. K. Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
II	The Indian Contract Act, 1872; Specific Contracts	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
III	The Sale of Goods Act, 1930	Mr. Roger L. Faihriem	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
IV	Partnership Laws a) The Partnership Act, 1932 The Limited Liability Partnership Act, 2008	Mrs. K. Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	The Negotiable Instrument Act, 1881	Mr. Roger L. Faihriem	*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	Dr. A Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
II	Differential Calculus	Mr. S Chakraborty	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
III	Uni-variate analysis	Dr. A Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
IV	Bi-variate analysis	Mr. S Chakraborty	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Index numbers and Time series	Dr. A Choudhury	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13

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B.Com 4thSEMESTER 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	Mrs. K. Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:06
II	Elements of Cost, Material and Labour	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
III	Elements of Cost Overheads	Mrs. K. Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:08
IV	Methods of Costing	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:28
V	Book Keeping in Cost Accounting	Mrs. K. Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:09

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B.Com 4thSEMESTER 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 4thSEMESTER 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 4thSEMESTER 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	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
II	Entrepreneurship in Micro, Small and Medium Enterprises	Mr. Roger L. Faihreim	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	Entrepreneur Support System	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
IV	Sources of Business Idea and Tests	Mr. Roger L. Faihreim	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
V	Mobilising Resources	Mr. Roger L. Faihreim	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07

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Associate Professor and Head,
Department of Commerce.
Haflong Govt. College, Assam.

B.Com 4thSEMESTER 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	Miss Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
II	Basic features of Indian Economy at Independence	Miss Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
III	Policy Regimes	Miss Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15
IV	Growth, development and Structural Changes	Miss Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15
V	Sectoral Trends and Issues	Miss Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15

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B.Com 4thSEMESTER 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	Mrs. K. Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:06
II	Elements of Cost, Material and Labour	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:14
III	Elements of Cost Overheads	Mrs. K. Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:08
IV	Methods of Costing	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:28
V	Book Keeping in Cost Accounting	Mrs. K. Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:09

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B.Com 4thSEMESTER 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	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
II	Entrepreneurship in Micro, Small and Medium Enterprises	Mr. Roger L. Faihreim	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
III	Entrepreneur Support System	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
IV	Sources of Business Idea and Tests	Mr. Roger L. Faihreim	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07
V	Mobilising Resources	Mr. Roger L. Faihreim	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:07

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B.Com 4thSEMESTER 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	Mrs. K. Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:12
II	Final Accounts	Mrs. K. Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:09
III	Valuation of Goodwill and Valuation of Shares	Mrs. K. Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
IV	Accounting of Holding Companies/Parent Companies	Mrs. K. Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:12
V	Amalgamation of Companies	Mrs. K. Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:12

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B.Com 6thSEMESTER Honours Programme
Course Code:BCH-DSE-601, Credits-06, Full Marks-100
Name of Course::FUNDAMENTALS OF INVESTMENT

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	The Investment Environment	Mr. Roger L. Faihreim	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
II	Fixed Income Securities	Mrs. K. Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15
III	Approaches to Equity Analysis	Mr. Roger L. Faihreim	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15
IV	Portfolio Analysis and Financial Derivatives	Mrs. K. Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15
V	Investor Protection	Mr. Roger L. Faihreim	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10

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B.Com 6thSEMESTER Honours Programme
Course Code:BCH-DSE-601, Credits-06, Full Marks-100
Name of Course::CONSUMER AFFAIRS AND CUSTOMER CARE

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Conceptual Framework	Mr. Roger L. Faihreim	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
II	The Consumer protection Act, 1986	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
III	Grievance Redress Mechanism	Mr. Roger L. Faihreim	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
IV	Industry Regulators and Consumer Grievance Redress Mechanism	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Consumer Protection in India	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13

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B.Com 6thSEMESTER Honours Programme
Course Code:BCH-CC--601, Credits-06, Full Marks-100
Name of Course::INDIRECT TAX LAW

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Indirect Tax	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
II	Levy and collection of GST	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
III	Input Tax Credit	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
IV	Assessment, Audit and other special provisions	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Custom Act	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13

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B.Com 6thSEMESTER General (Pass) Programme
Course Code:BCP-DSE-602, Credits-06, Full Marks-100
Name of Course::CONSUMER PROTECTION AND CUSTOMER CARE

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Conceptual Framework	Mr. Roger L. Faihreim	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
II	The Consumer protection Act, 1986	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
III	Grievance Redress Mechanism	Mr. Roger L. Faihreim	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
IV	Industry Regulators and Consumer Grievance Redress Mechanism	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13
V	Consumer Protection in India	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:13

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B.Com 6thSEMESTER General (Pass) Programme
Course Code:BCP-SEC-601, Credits-04, Full Marks-50
Name of Course::PERSONAL SELLING AND SALESMANSHIP

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to personal selling	Mr. Roger L. Faihreim	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
II	Salesmanship	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
III	Buying Motives	Mr. Roger L. Faihreim	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
IV	Selling process	Mrs. Deepika Kemprai	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
V	Sales Reports	Mr. Roger L. Faihreim	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10

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B.Com 6thSEMESTER General (Pass) Programme
Course Code:BCP-GE-601, Credits-06, Full Marks-100
Name of Course::INDIAN ECONOMY

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Basic issues and features of Indian Economy	Miss Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
II	Policy Regimes	Miss Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
III	Growth, development and Structural Changes	Miss Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15
IV	Sectoral Trends and Issues	Miss Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15
V	Inflation, Unemployment and Labour Market	Miss Amreen Khan	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15

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B.Com 6thSEMESTER General (Pass) Programme
Course Code:BCP-SEC-601, Credits-04, Full Marks-50
Name of Course::MANAGEMENT ACCOUNTING

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Management Accounting	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
II	Budgetary Control	Mr. Madan Ch. Bakali	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
III	Standard Costing	Mrs. K. Newme	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
IV	Decision Making	MR. DipjoyLangthasa	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
V	Contemporary Issues	MR. DipjoyLangthasa	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10

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B.Com 6thSEMESTER General (Pass) Programme
Course Code:BCP-DSE-601, Credits-06, Full Marks-100
Name of Course::BANKING AND INSURANCE

Unit	Topic	Teachers to whom allotted	Mode of Teachings
I	Introduction to Banking	Mr. Roger L. Faihreim	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
II	Cheques and Paying Banker	Mr. Roger L. Faihreim	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:10
III	Banking Lending	Mr. Roger L. Faihreim	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15
IV	Internet Banking	Mr. Roger L. Faihreim	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15
V	Insurance	Mr. Roger L. Faihreim	*Lecture, *Tutorial, *Seminar, *Test, *Remedial Total Teaching Hours:15

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