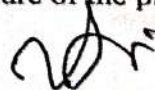


Programme Outcome

**Courses offered: B.A.(Honours) in Assamese, Minor, SEC & AEC
Program outcome, Department of Assamese, Sadiya College**

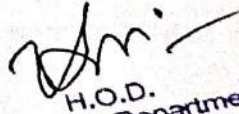
- ☐ The students will gain a comprehensive understanding of Assamese language, literature, and culture, encompassing classical to contemporary periods.
- ☐ The students will develop the ability to critically analyze literary texts, linguistic structures, and cultural phenomena in Assamese and other Indian languages and literature.
- ☐ The students will develop a sense of ethical and social responsibility, with a focus on promoting regional and national integration through the understanding and propagation of Assamese language and culture.
- ☐ The students will be motivated to pursue lifelong learning, equipping themselves for diverse careers in teaching, media, translation, administration, and cultural fields, as well as for advanced studies.
- ☐ The students will be prepared to contribute to society through their knowledge of Assamese language and culture, playing an active role in nation-building and cultural development.
- ☐ The students will develop a keen aesthetic perception about art and literature, enabling them to express their creativity through writing, art, and other forms of cultural production.
- ☐ The students will acquire comprehensive knowledge about environmental issues and sustainability through the study of relevant fictional and non-fictional texts.
- ☐ It provides skill in creative writing and empowers the learners with communicative skill.
- ☐ Expertise on different aspects of Assamese literature as well as the importance of socio-political and cross-cultural issues.
- ☐ The efficiency to use linguistic criticism in literary expressions.
- ☐ It makes the students aware of the society, culture, ethnicity and culture of the place they live in.


H.O.D.
Assamese Department
Sadiya College

Course Outcome

(BA Assamese (Honours) Syllabus (CBCS & FYUGP))

- Reconstruct the social history of Assam in the light of the rise of Assamese literature.
- To get a complete knowledge of the history of Assamese literature.
- Students are able to get a complete scenario of various languages in Assam and the history of Assamese language from the early period to the present.
- Reconstruct the social history of Assam in the light of the rise of Assamese language.
- Justify the relationship of Assamese language with both Aryan and Aryan-bhinna.
- General concept of linguistics, philology & Grammar, branches of linguistics and steps of Linguistics study.
- Trace the development of Assamese prose from Mantra Puthi to Modern period.
- Interpret the changes occurring in Assamese prose.
- Literary criticism of different genre both in Indian & western literature


H.O.D.
Assamese Department
Sadiya College



DEPARTMENT OF BOTANY

SADIYA COLLEGE, CHAPAKHOWA, TINSUKIA-786157

B.SC. BOTANY PROGRAM OUTCOME:

Botany is the branch of biology that basically deals with the study of plants. It has major practical applications in the field of theoretical and practical research. It is the root of many applied subjects such as agriculture, forestry, medicinal biology, microbiology, biotechnology and environment protection. Students studying in the BSc (Botany) program can have scopes both in research and other employability. Students also have the scope in entrepreneurship.

COURSE OUTCOME:

Semester	Paper	Outcome
I	Major and Minor Algae ,Fungi,Bryophytes & Pteridophytes	Course objective: The objective of this course is to provide knowledge to the students on various forms of algae ,fungi,bryophytes and pteridophytes-their characteristics ,mode of reproduction and economic importance Course Outcome: By studying this course students will gain basic knowledge on 1. The diversity of plants. 2. Their general characteristics 3. They will gain knowledge on the ecological and economic importance of these plant groups 4. Understand the Various groups of plants and their evolutionary relationships
	MDGEC Natural Resource Management	Course objective: The objective of this course is to provide knowledge to the students on importance, sustainable utilization, conservation and management of natural resources. Course outcome: By studying this course the students will gain knowledge on- 1. Various kinds of natural resources available in North east India 2. Management of this natural resources 3. Proper utilization of this resources for sustainable development 4. Conservation of these resources
	SEC 1 Mushroom Culture Technology	Course objective: This course is a skill enhancement course is to provide knowledge to the students on Mushroom cultivation, production and processing techniques.It basically trains the students on how to culture mushroom.

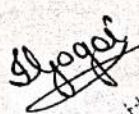
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Head of the Department
Botany
Sadiya College



DEPARTMENT OF BOTANY

SADIYA COLLEGE, CHAPAKHOWA, TINSUKIA-786157

		Course outcome: By studying this course students will gain knowledge on 1. Cultivation technology of different types of mushrooms available 2. Storage and preservation technique of these mushrooms 3. Economics of mushroom cultivation and 4. It will also provide the students to earn livelihood to them in later life if they take it up as entrepreneurship
II	Major and Minor Morphology and reproduction of Spermatophytes	Course objective: The objective of this course is to provide knowledge to the students on Gymnosperm and Angiosperms with their morphology, mode of reproduction, pattern of embryo development and economic and ecological importance Course outcome: 1. The students will get knowledge on the process of production of seeds from flowers 2. They will gain knowledge on the morphology of different plants i.e. gymnosperms and angiosperms 3. They will gain knowledge on some important process of plants such as pollination, fertilization, parthenocarp etc.
	MDGEC Plant Diversity and Human welfare	Course objective: The objective of this course is to provide knowledge to the students on biodiversity and its importance for human welfare Course outcome: By studying this course the students will gain knowledge on - 1. Diversity of plants that are available 2. Uses and valuation of these diverse plants 3. Knowledge on loss of biodiversity and conservation of biodiversity 4. Role of plants in relation to Human welfare such as its Utilization and commercial aspects.
	SEC2- Biofertilizer	Course Objective: The objective of this course is to provide knowledge to the students on biofertilizers, its importance and its production from different biological sources Course outcome: The main objectives of this course are- 1. To give knowledge on the various factors that affect the plant growth 2. Different types of biofertilizers available 3. Importance of biofertilizer over the chemical fertilizer 4. What is organic farming and its importance in today's world


 Head of the Department
 Botany
 Sadiya College



DEPARTMENT OF BOTANY

SADIYA COLLEGE, CHAPAKHOWA, TINSUKIA-786157

III	Major –C3 <i>Cell Biology</i>	Course Objective: The objective of this course is to give the students knowledge on the concept of Cell as the functional unit of Life, structure of plant cell and function of cellular components Course outcome: By studying this course the students will gain knowledge on 1. Cells, its division and all the cell organelles 2. How elements are transported within cells
	Major C4 <i>Plant Biochemistry And Molecular Biology</i>	Course objective The objective of this course is to provide knowledge to the students on biomolecules and their functions. Course outcome: 1. Gain knowledge on genetic material i.e. DNA/RNA 2. The structure of DNA and RNA 3. Gain knowledge on the replication process of DNA and also the transcription and translation process
	Minor <i>Plant Physiology and Metabolism</i>	Course objective: The objective of this course is to expose the students to different physiological processes in plants Course outcome: 1. The students shall learn about the various physiological process that goes on in plants 2. The students gather knowledge on the plant growth regulators i.e. on the various plant hormones 3. The knowledge on effect of temperature ,light intensity etc on flowering of plants
III	MDGEC3 <i>Ethnobotany</i>	Course objective: The objective of this course is to provide knowledge to the students on use of plant resources in traditional practices of the ethnic communities of NE India Course outcome: By studying this course students will gain knowledge on- 1. Different plant varieties that are being used in different traditional practices 2. Collection and preservation of plant species 3. Role of ethnic tribes in the conservation of this important botanical resources

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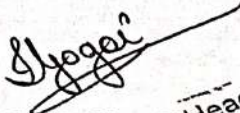
Head of the Department
Botany
Sadiya College



DEPARTMENT OF BOTANY

SADIYA COLLEGE, CHAPAKHOWA, TINSUKIA-786157

	SEC3 Nursery gardening and	Course objective: The objective of this course is to provide knowledge to the students on setting up of nursery and gardens and its management Course outcome: By studying this course the students will gain knowledge on- 1. Importance of nursery 2. Propagation of different types of ornamental plants 3. Landscaping, soil preparation 4. Livelihood generation from nursery and gardening
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Mrs Indira Gogoi
Head of the Department
Botany
Sadiya College
HOD, Dept. of Botany
Sadiya college, Chapakhowa



DEPARTMENT OF CHEMISTRY

Sadiya College, Chapakhowa

Dist.- Tinsukia, Assam, 786157

Programme Learning Outcomes and Course Outcomes

PROGRAMME LEARNING OUTCOMES:

By the end of the programme, an undergraduate student of Chemistry should be able to:

1. Understand the basic concepts of various branches of Chemistry.
2. Gain knowledge about the various laws of thermodynamics and their applicability.
3. Apply the key concepts and standard methodologies to solve problems related to Chemistry.
4. Understand the preparation, physical and chemical properties and reactivities of compounds that include reaction mechanism.
5. Demonstrate a range of practical skills to conduct and infer experiments independently and in groups.
6. Analyze inorganic salt mixture qualitatively and detect elements and functional groups in different organic samples.
7. Apply methodologies to the solution of unfamiliar types of problems.
8. Exhibit skills leading to employability in Chemistry and allied industries.
9. Comprehend the fundamental aspects of research in Chemistry.
10. Possess the level of proficiency in the subject required for post-graduation as well as for pursuing research in Chemistry and related interdisciplinary subjects.
11. Demonstrate teaching competencies required for keeping oneself professionally engaged.


Head of the Department
Chemistry
Sadiya College

COURSE OUTCOME:

Semester	Course Code	Course Name	Outcome
I	CHMC1	Core Course-1	To understand the fundamentals of periodicity of elements, bonding in various molecules, properties of gaseous and liquid states of matter, basic organic chemistry, stereoisomerism and optical activity. To determine the viscosity and surface tension of different compounds which have immense applications in industry and day to day life. To purify the various organic compounds through recrystallization and melting point determinations.
I	MINCHM1	Fundamentals Of Chemistry-1	To explain wave function, counter boundary and probability diagrams. To understand different types of bonds and its application, the kinetic molecular model of a gas, behaviour of real gases. To gain knowledge on basic organic chemistry and its importance with reaction mechanism. To analyse the inorganic salt mixture qualitatively
II	CHMC2	Core Course -2	To understand the preparation, structure and uses of non-transition elements; extraction techniques of metals; laws of thermodynamics; preparation & properties of alkanes, alkenes and alkynes etc. To estimate iron and oxalic acid in different stock solutions provided to the learners which have immense applications in industry. To detect elements and functional groups in different organic samples.
II	MINCHM2	Fundamentals Of Chemistry-2	To gain knowledge on VBT, CFT. To explain the VSEPR theory, MOT and their applications. To understand the applications of solubility and solubility product. To understand the stereochemistry and conformational analysis. To handle pH meter, viscometer and stallingometer for determination of

Head of the

Chemist,
Sadiya College.*Doshi*

			pH, viscosity and surface tension of liquids
III	CHMC3	Core Course-3	To understand the concept of coordination chemistry, inorganic reaction mechanism; second law of thermodynamics, ionic equilibrium, conformational analysis of alkanes & monosubstituted cyclohexane, nucleophilic substitution reactions. To prepare different double salts, complex salts and buffer solutions of different pH applicable in day to day life. To operate pH meter in pH metric titration of acids and bases.
III	CHMC4	Core Course-4	To understand the concepts of acids and bases, chemistry of inner transition elements; electrochemistry, synthesis and properties of oxygen containing functional groups. To operate conductivity bridge in determination of cell constant and in conductometric titrations of acids and bases. To handle calorimeter and to analyse unknown organic compounds qualitatively
III	MINCHM3	Fundamental Of Chemistry-3	To understand the basic principles involved in metallurgy, thermal equilibrium, first and second law of thermodynamics. To illustrate the electrophilic and nucleophilic substitution in alkyl and aryl halides. To detect elements and functional groups in different organic samples



DEPARTMENT OF COMMERCE
Sadiya College, Chapakhowa
Tinsukia, Assam-786157

Sibani Baruah
Head of Department
Phone: +918486563483
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Programme Outcome for B.com (FYUGP NEP)

The Department of Commerce, Sadiya college has started offering the B.com major, minor, GEC & SEC papers under NEP-FYUGP from the academic session 2023-24. The programme outcome (PO) of the B.com course under NEP is mentioned below:

PO 1. The students will be able to acquire the basic knowledge and skills required in business theories and practices.

PO 2. Research and Development is an unavoidable part in the field of commerce and management – be it in finance, HR, marketing, banking, entrepreneurship or any other pure and applied subject area in Commerce. The students will build an intent to carry out further research in their chosen field of study and will be able to contribute towards the theory and practice of the same.

PO 3. The students will acquire enough theoretical and practical knowledge about different subjects of commerce and allied disciplines to be employed in functional areas like Accounting, Auditing, Finance, HR, Marketing, Management, Banking, and also allied commercial sectors like Tourism and Hospitality, Health Care, Corporate Law and others.

PO 4. The students will be acquainted with the global stand of commerce and its multi-dimensions. Also, they will develop an understanding of communication skills in business and at job. This will help them work in diverse job profiles and work teams across the nation and the world at large.

PO 5. The students will build an inclination towards academic and applied research in specific components of commerce discipline, which will ensure their employment in both academics and industry.

Programme outcomes (POs): Economics

PO1-Critical Thinking: Graduates will be able to critically analyze economic theories and models, apply logical reasoning, and understand their implications in real-world contexts.

PO2-Problem Solving: Graduates will require enhanced problem-solving skills by applying economic principles and quantitative techniques to address economic issues and policy challenges.

PO3-Effective Communication: Graduates will be able to communicate economic concepts, theories, and findings clearly and effectively.

PO4-Research and Analytical Skills: Graduates will be able to formulate research proposals, specifically to craft relevant research questions and hypotheses; present findings, theories, methods, and proofs utilizing knowledge from multiple branches of Economics and associated fields.

PO5-Technological Proficiency: Graduates will be proficient in using modern technological tools and software for economic analysis, data management, and presentation.

PO6-Ethical Awareness: Graduates will be able to apply ethical principles in economic decision-making, recognizing the societal and environmental impacts of economic activities.

PO7-Global Perspective: Graduates will develop a global outlook on economic issues, understanding the interconnectedness of economies and the implications of global economic policies and events.

PO8-Lifelong Learning: Graduates will foster a commitment to continuous learning and staying updated with the latest developments in the field of economics.

PO9-Interdisciplinary Knowledge: Graduates will be able to integrate knowledge from various disciplines such as statistics, mathematics, political science, sociology, history etc. to provide a comprehensive understanding of economic phenomena.

PO10-Leadership and Teamwork: Graduates will cultivate leadership qualities and the ability to work collaboratively in diverse teams to address complex economic problems.

PROGRAMME SPECIFIC OUTCOMES (PSOs):

The programme specific outcomes of the Undergraduate Programme in Economics are listed below. After completing the programme the students should be able to-

PSO1-Comprehend the behavioral patterns of different economic agents and acquire the competency to apply the fundamentals of Microeconomics and Macroeconomics in understanding the economic aspects of allied sectors.

PSO2-Evaluate the developmental parameters of an economy with the help of economic theories and examine the existing socio-economic issues of developing nations and formulate strategies to pave the way for further development.

PSO3- Analyse and review the historical developments in the economic thoughts propounded by different schools and make a comparative assessment with the contemporary issues in Economics.

PSO4-Identify key issues and formulate ideas to undertake research studies and apply quantitative techniques to address the unresolved issues in Economics and other relevant disciplines.

PSO5-Demonstrate the potential for a variety of challenging careers through innovation, critical thinking, problem solving and lifelong learning, thereby being competitive in the job market by acquiring skills in using statistical software for research, employability and entrepreneurship.

PSO6- Contribute to the academic advancement of the subject and society at large by pursuing advanced studies in Economics.

HOD
Department of Economics
Sadiya College, Sadiya, Chhatisgarh

**FOUR YEAR UNDERGRADUATE PROGRAMME IN ECONOMICS (NEP)
DETAILED SYLLABUS OF 1ST SEMESTER**

Course Title	:	Introductory Microeconomics
Course Code	:	ECOC1
Nature of Course	:	Major
Total Credits	:	4 credits
Distribution of Marks	:	60 (End-Sem.) + 40 (In-Sem.)

Course Objectives: The objectives of this Course are:

1. To expose students to the basic principles of microeconomic theory
2. To enlighten the learners about the fundamental economic trade-offs and allocation problems due to scarcity of resources.

Course Outcomes: On completion of this Course, a student will be able to –

CO 1: Comprehend the introductory principles of Microeconomics.

LO 1.1: Define the meaning of Microeconomics.

LO 1.2: Discuss how scarcity and the need to make choices are central to economic analysis.

LO 1.3: Identify and analyze the trade-offs and opportunity costs in decision-making processes.

CO 2: Apply the basics of microeconomics in behaviour patterns of firms and households and relate with the laws of demand and supply.

LO 2.1: Explain the law of demand, determinants of demand, individual and market demand and shift in demand.

LO 2.2: Explain the law of supply, determinants of supply, individual and market supply and shift in supply.

CO 3: Apply the fundamentals of microeconomics to understand the behaviour of consumers and attainment of consumer's equilibrium.

LO 3.1: Define budget constraint.

LO 3.2: Explain the meaning and properties of an Indifference curve.

CO 4: Apply the principles of microeconomics in relation to production function, costs and revenues and demonstrate the basics of market mechanism and the equilibrium condition of different forms of markets.

LO 4.1: Define the basics of a firm under perfectly competitive market structure.

LO 4.2: State the relation between revenue, cost and equilibrium under perfect competition.

LO 4.3: Explain the characteristics of firms under imperfect market structure.

CO 5: Evaluate the features of input market.

LO 5.1: Explain the features of firms using one and two variable factors respectively in the short run and long run labour market.

LO 5.2: Discuss the determination of rent and profit maximizing condition in input market

LO 5.3: Explain the fundamentals of capital market.

**FOUR YEAR UNDERGRADUATE PROGRAMME IN ECONOMICS (NEP)
DETAILED SYLLABUS OF 1ST SEMESTER**

Course Title	:	Elementary Microeconomics
Course Code	:	MINECO1
Nature of Course	:	Minor
Total Credits	:	4 credits
Distribution of Marks	:	60 (End-Sem.) + 40(In-Sem)

Course Objectives: The objectives of this Course are:

1. To expose students to the basic principles of microeconomic theory.
2. To emphasis on the fundamentals of consumer theory, production behaviour and costs.
3. To use graphical methods to illustrate the application of microeconomic concepts to analyze real-life situations

Course Outcomes: On completion of this Course, a student will be able to –

CO 1: Comprehend the introductory principles of Microeconomics.

LO 1.1 Describe the meaning of Microeconomics.

LO 1.2 Define the meaning of scarcity and opportunity cost.

CO 2: Apply the basics of microeconomics in behaviour patterns of firms and households and relate with the laws of demand and supply.

LO 2.1: Explain the law of demand, determinants of demand, shifts of demand versus movements along a demand curve and market demand.

LO 2.2: Explain the law of supply, determinants of supply, shifts of supply versus movements along a supply curve and market supply.

LO 2.3: Explain the condition of market equilibrium.

CO 3: Apply the fundamentals of microeconomics to understand the behaviour of consumers and producers and attainment of producer's and consumer's equilibrium.

LO 3.1: Define the meaning of budget constraint.

LO 3.2: Explain the meaning and properties of indifference curve.

LO 3.3: Explain the fundamentals of utility and its applications in consumer theory.

LO 3.4: Explain the Production function with one and two variables.

LO 3.5: State the meaning and properties of an Isoquant and equilibrium in production.

CO 4: Apply the principles of microeconomics in relation to production function, costs and revenues and demonstrate the basics of market mechanism and characteristics of different forms of markets.

LO 4.1: Explain the features of cost and revenue in the short run and long run respectively.

LO 4.2: Discuss the features of different forms of markets.

LO 4.3: Explain the equilibrium condition of firms under perfect competition.

**FOUR YEAR UNDERGRADUATE PROGRAMME IN ECONOMICS (NEP)
DETAILED SYLLABUS OF 1ST SEMESTER**

Course Title	:	Economic History of India
Course Code	:	GECECO1
Nature of Course	:	Generic Elective
Total Credits	:	3 credits
Distribution of Marks	:	60 (End-Sem.) + 40 (In-Sem.)

Course Objectives

1. To familiarize the students with the structure of the Indian economy in the colonial context.
2. To enable the students analyze the policies and performance of Indian economy during the colonial rule.

Course Outcome: After successful completion of this course students will be able to-

CO1: Analyze and evaluate the economic structure and policies of pre-independence India, understanding the factors contributing to economic backwardness.

LO1: Explain the economic structure and policies of pre-independence India.

LO2: Discuss the impact of socio-cultural attitudes and inheritance laws on India's economic development.

LO3: Evaluate the drain theory and its implications on India's economy.

LO4: Compare and contrast the economic ideas of Ranade and Gandhi.

CO2: Examine the agrarian structure, agricultural markets, and institutions, and their impact on India's agricultural productivity and rural economy.

LO1: Describe the agrarian structure and land relations in colonial India.

LO2: Analyze the role of agricultural markets, credit systems, and irrigation in shaping agricultural productivity.

LO3: Assess the causes and consequences of the commercialization of agriculture in colonial India.

LO4: Discuss the issues of rural indebtedness, famines, and the evolution of food policies.

CO3: Evaluate the industrial development and transportation systems in colonial India and their impacts on the economy.

LO1: Describe the state of industrial development in mid-nineteenth century India and the phenomenon of de-industrialization.

LO2: Identify the factors that led to the emergence of modern capitalist industrial enterprises in India.

LO3: Discuss the constraints to industrial breakthrough in colonial India.

LO4: Analyze the development of transportation systems (railways, roadways, waterways) and their economic impact.

CO4: Evaluate the economic policies and priorities under British rule, including foreign capital, trade, and fiscal policies, and their impact on India's economy.

LO1: Explain the imperial priorities and their impact on India's economic development.

LO2: Discuss the role and impact of foreign capital in colonial India.

LO3: Analyze the growth and composition of foreign trade and the nature of public debt during the colonial period.

LO4: Evaluate the government and fiscal policies implemented under British rule and their consequences for the Indian economy.

**FOUR YEAR UNDERGRADUATE PROGRAMME IN ECONOMICS (NEP)
DETAILED SYLLABUS OF 2nd SEMESTER**

Course Title	:	Introductory Macroeconomics
Course Code	:	ECOC2
Nature of the Course	:	Major
Total Credits	:	04
Distribution of Marks	:	60 (End Sem) + 40 (In-Sem)

Course Objectives:

1. To help students know the meaning of macroeconomics and how the overall production of economy is computed;
2. To familiarize the students with concepts of aggregate demand and aggregate supply;
3. To introduce the students with the classical and Keynesian theories of employment and output determination;
4. To help students understand the meanings of money and other concepts related to money.

Course Outcomes: After successful completion of this course students will be able to-

CO1: Distinguish between different macroeconomic schools of thought and understand the fundamental objectives and scope of macroeconomics, laying the foundation for advanced macroeconomic analysis.

LO1.1: Differentiate between microeconomics and macroeconomics and understand the evolution of macroeconomics as a distinct field.

LO1.2: Explain the nature and scope of macroeconomics and identify the key objectives of macroeconomic study.

LO1.3: Compare and contrast the different schools of macroeconomic thought: classical, Keynesian, and monetarist.

LO1.4: Analyze the relationship between microeconomic thinking and macroeconomic models and discuss the balance between short-term stabilization and long-term economic growth.

CO2: Define national income and various accounting methods, and assess the limitations and significance of GDP as an indicator of economic health and social welfare.

LO2.1: Understand the importance of measuring economic activity and the various approaches to national income accounting.

LO2.2: Define and differentiate between GDP and GNP, and explain the concepts of stocks and flows.

LO2.3: Describe the circular flow of income in an economy and the methods of measuring GDP: income method, expenditure method, and value added method.

LO2.4: Evaluate the limitations of GDP as a measure of economic activity, including its relationship with the underground economy and social welfare, and understand the significance of sustainable accounting.

CO3: Analyze the components and determinants of aggregate demand and aggregate supply, and understand how these factors interact to influence overall economic activity.

LO3.1: Define aggregate demand and its components, and identify the determinants of consumption, government spending, firm investment, and net exports.

LO3.2: Explain the consumption function, including marginal propensity to consume (MPC) and average propensity to consume (APC), and the determinants of saving, including marginal propensity to save (MPS) and average propensity to save (APS).

LO3.3: Analyze the investment function and the factors that influence investment demand.

LO3.4: Describe the concept of aggregate supply, its determinants, and the factors that can shift the aggregate supply curve.

CO4: Critically evaluate the classical and Keynesian theories of output and employment determination, and apply these concepts to understand historical and contemporary economic fluctuations.

LO4.1: Understand the classical theory of output and employment determination and Say's law of markets.

LO4.2: Analyze the Great Depression of the 1930s and the failure of the classical school, leading to the Keynesian revolution.

LO4.3: Explain the Keynesian theory, including the equality between output and aggregate demand, the concept of the multiplier, and the determination of equilibrium income.

LO4.4: Discuss the changes in equilibrium income and the factors that can lead to such changes.

CO5: Explain the functions and types of money, determinants of money supply and demand, and the determination of equilibrium rate of interest.

LO5.1: Define money and its various functions, and describe the different types of money, including fiat money, fiduciary money, metallic money, and paper money.

LO5.2: Explain the supply of money and the role of the central bank, and understand the different measures of money as defined by the RBI.

LO5.3: Discuss the demand for money and the quantity theory of money, including the motives for holding money: transaction, precautionary, and speculative.

LO5.4: Analyze the determination of the equilibrium rate of interest using the Keynesian liquidity preference theory.

UNITS	CONTENTS	L	T	P	Total Hours
I	Introduction Microeconomics vs Macroeconomics; Evolution of Macroeconomics as a separate discipline; Nature and scope of macroeconomics; Schools of macroeconomic thought – the classical, the Keynesian and the monetarist; Microeconomic thinking and Macroeconomic models; Objectives of Macroeconomics – short term vs long run, economic growth vs stabilization	10			
II	National Income Accounting Measuring the value of economic activity and its importance; Meaning of GDP and GNP; Stocks and flows; Circular flow in an economy; Approaches to measuring GDP – Income method, expenditure method, and value added method; GDP deflator; Real GDP vs Nominal GDP; GDP and the underground economy; GDP and Social welfare; Sustainable accounting and its significance	12			
III	Introduction to Aggregate Demand and Aggregate Supply Concept of aggregate demand; Components and determinants of aggregate demand – consumption, government spending, firms' consumption, and net exports; Consumption function – MPC and APC; Saving – determinants of saving – MPS and APS; Investment – determinants of investment demand; investment function; Concept of Aggregate supply; determinants of aggregate supply; factors shifting aggregate supply	10			

**FOUR YEAR UNDERGRADUATE PROGRAMME IN ECONOMICS (NEP)
DETAILED SYLLABUS OF 2nd SEMESTER**

Title of the Course	:	Elementary Macroeconomics
Course Code	:	MINECO2
Nature of the Course	:	Minor
Total Credits	:	04
Distribution of Marks:		60 (End Sem) + 40 (In-Sem)

Course Objectives:

1. To help students know the meaning of macroeconomics and how the overall production of economy is computed;
2. To familiarize the students with concepts of aggregate demand and aggregate supply;
3. To introduce the students with the classical and Keynesian theories of employment and output determination; and
4. To help students understand the meanings of money and other concepts related to money.

Course Outcomes: After successful completion of this course students will be able to-

CO1: Describe the distinction between microeconomics and macroeconomics, including the development and objectives of macroeconomic theory.

LO1.1: Explain the distinctions between microeconomics and macroeconomics.

LO1.2: Trace the historical evolution of macroeconomics as a distinct discipline.

LO1.3: Identify and describe the primary schools of macroeconomic thought, including classical, Keynesian, and monetarist perspectives.

LO1.4: Discuss the objectives of macroeconomics in terms of short-term stabilization and long-term economic growth.

CO2: Gain a comprehensive understanding of how economic activity is measured and the significance of national income accounting.

LO2.1: Define and differentiate between GDP and GNP, including the concepts of stocks and flows.

LO2.2: Illustrate the circular flow of income in an economy.

LO2.3: Compare and contrast the income, expenditure, and value-added approaches to measuring GDP.

LO2.4: Evaluate the limitations of GDP as a measure of economic activity and its relationship to social welfare.

CO3: Define the concepts of aggregate demand (AD) and aggregate supply (AS) including the identification of factors responsible for the shifts of AD and AS.

LO3.1: Define aggregate demand and explain its components and determinants.

LO3.2: Analyze the consumption function, including the concepts of MPC and APC.

LO3.3: Discuss the determinants of saving and investment, including the functions of MPS, APS, and investment demand.

LO3.4: Explain the concept of aggregate supply and identify factors that cause shifts in the aggregate supply curve.

CO4: Compare and contrast the classical and Keynesian theories of output and employment determination and their relevance to economic equilibrium.

LO4.1: Describe the classical theory of output and employment determination and Say's law of markets.

LO4.2: Analyze the impact of the Great Depression on the classical school and the rise of Keynesian economics.

LO4.3: Explain the Keynesian theory of equilibrium between output and aggregate demand, including the concept of the multiplier.

LO4.4: Calculate equilibrium income and understand its implications for macroeconomic stability.

CO5: Elaborate the role of money in the economy, the various types and measures of money, and the causes and effects of inflation.

LO5.1: Define money and its functions, and differentiate between different types of money (fiat, fiduciary, metallic, paper).

LO5.2: Identify and explain the various measures of money supply (M0, M1, M2, M3, M4).

LO5.3: Discuss the quantity theory of money and its implications for prices and inflation.

LO5.4: Analyze the causes and types of inflation, its social costs and benefits, and the relationship between nominal and real interest rates.

UNITS	CONTENTS	L	T	P	Total Hours
I	Introduction Microeconomics vs Macroeconomics; Evolution of Macroeconomics as a separate discipline; Nature and scope of macroeconomics; Schools of macroeconomic thought – the classical, the Keynesian and the monetarist; Microeconomic thinking and Macroeconomic models; Objectives of Macroeconomics – short term vs long run, economic growth vs stabilization	9	1		10
II	National Income Accounting Measuring the value of economic activity and its importance; Meaning of GDP and GNP; Stocks and flows; Circular flow in an economy; Approaches to measuring GDP – Income method, expenditure method, and value added method; GDP deflator; Real GDP vs Nominal GDP; GDP and the underground economy; GDP and Social welfare;	12			
III	Introduction to Aggregate Demand and Aggregate Supply Concept of aggregate demand; Components and determinants of aggregate demand –consumption, government spending, firms' consumption, and net exports; Consumption function – MPC and APC; Saving – determinants of saving – MPS and APS; Investment – determinants of investment demand; investment function; Concept of Aggregate supply; determinants of aggregate supply; factors shifting aggregate supply	9	1		10
IV	Determination of output and employment The classical theory of determination of output and employment; Say's law of markets; The Great Depression of 1930s – failure of classical school and the Keynesian revolution; the Keynesian theory – equality between output and aggregate demand, the concept of multiplier, equilibrium income	12	2		14

**FOUR YEAR UNDERGRADUATE PROGRAMME IN ECONOMICS (NEP)
DETAILED SYLLABUS OF 2ND SEMESTER**

Course Title	:	Contemporary Indian Economy
Course Code	:	GECECO2
Nature of Course	:	Generic Elective
Total Credits	:	03
Distribution of Marks	:	60 (End-Sem.) + 40 (In-Sem.)

Course Objectives: The aim of this course is to acquaint the students with the contemporary issues of Indian Economy. Once the students complete the course, they will be able to deal with various issues related to Indian Economy which may help them in further academic endeavours.

Course Outcomes: On completion of this course students will be able to -

CO1: Analyze the key aspects of India's industrial policies, infrastructure development, and their impact on business performance.

L.O 1.1: Describe the changes in the New Industrial Policy and the impacts of public sector reforms, privatization, and disinvestment.

L.O 1.2: Evaluate the factors influencing the Ease of Doing Business in India and the performance of MSMEs.

L.O 1.3: Assess the role of MNCs in India's industrial development and initiatives like "Make in India."

L.O.1.4: Analyze the development of infrastructure sectors such as health, education, transportation, and power.

CO2: Understand and evaluate the fiscal and monetary policies of India, including recent reforms and their implications on the economy.

L.O. 2.1: Explain the key aspects of fiscal reforms including Public Debt Management, FRBM Act, and GST.

L.O. 2.2: Discuss the recommendations of the latest Finance Commissions and their implications.

L.O.2.3: Analyze the organization of India's money market and recent financial sector reforms.

L.O.2.4: Review the monetary policy of RBI, the role and functions of SEBI, and the changing roles of the Reserve Bank of India, foreign banks, and non-banking financial institutions.

CO3: Examine the direction, composition, and policies related to India's foreign trade and balance of payments since 1991.

L.O. 3.1: Analyze the direction and composition of India's foreign trade.

L.O. 3.2: Discuss the trends in India's balance of payments since 1991, focusing on current and capital account convertibility.

L.O. 3.3: Evaluate the trends and patterns of FDI and FPI in India.

L.O. 3.4: Explain India's EXIM policy and the new Foreign Trade Policy.

CO4: Analyze key socio-economic issues in India, including demographic trends, urbanization, the impact of COVID-19, and agricultural policies.

L.O 4.1: Discuss India's population policy and the concept of demographic dividend.

L.O.4.2: Evaluate the state of human development in India and the initiatives for urbanization such as the Smart City Mission.

L.O. 4.3: Analyze the economic and social impact of the COVID-19 pandemic and initiatives like Atma Nirbhar Bharat Abhiyan.

L.O 4.4: Examine agricultural price policy, subsidies, the public distribution system, and initiatives like MGNREGA aimed at doubling farmers' incomes and promoting the non-farm sector.

UNITS	CONTENTS	L	T	P	Total Hours
I	Industry, Business and Infrastructure New Industrial Policy and changes; Public sector reforms; Privatization and Disinvestment. Ease of Doing Business; Performance of MSMEs; Role of MNC's in Industrial Development; Make in India, infrastructure development: Health, Education, Transportation and Power.	10			10
II	Fiscal Policy and Monetary Policy Fiscal Reforms - Public Debt Management; Fiscal Responsibility and Budget Management (FRBM) Act; GST, Recommendations of the latest Finance Commissions. Organisation of India's Money Market; Financial Sector Reforms; Review of Monetary Policy of RBI, Role and functions of SEBI in India; Changing roles of the Reserve Bank of India; Foreign banks and Non-banking Financial Institutions.	13			13
III	Foreign trade Direction and composition of India's Foreign Trade; Balance of Payments since 1991 (trends); Current and Capital Account Convertibility; FDI and FPI- Trends and Patterns; EXIM Policy, India's new Foreign Trade Policy	10			10
IV	Other Relevant Issues India's population policy; Demographic Dividend; human development in India. Urbanization and Smart City Mission; Impact of COVID-19 Pandemic; <i>Atma Nirbhar Bharat Abhiyan</i> Agricultural Price policy and Subsidies; Public Distribution System; Doubling Farmers' Incomes , MGNREGA; Non-farm sector.	12			12
TOTAL		45	-	-	45

Where, L: Lectures

T: Tutorials

P: Practicals

MODES OF IN-SEMESTER ASSESSMENT:

40 Marks

- Two Internal Examinations - 20 Marks
- Others (Any two) - 20 Marks
 - Home assignment
 - Viva voce
 - Seminar
 - Group discussion
 - Quiz

**FOUR YEAR UNDERGRADUATE PROGRAMME IN ECONOMICS (NEP)
DETAILED SYLLABUS OF 3RD SEMESTER**

Course Title	:	Introductory Mathematical Methods for Economics
Course Code	:	ECOC3
Nature of Course	:	Major
Total Credits	:	4 credits
Distribution of Marks	:	60 (End-Sem.) + 40 (In-Sem.)

Course Objectives:

The objective of this course is to transmit the knowledge of basic mathematics that enables the study of economic theory at the undergraduate level, specifically the courses on microeconomic theory, macroeconomic theory, statistics and econometrics set out in this syllabus. In this course, particular economic models are not the ends, but the means for illustrating the method of applying mathematical techniques to economic theory in general.

Course Outcomes: After successful completion of this course students will be able to-

CO1: Explain the foundational concepts like sets, relations and functions, evaluate limits and continuity, and apply these concepts to solve numerical problems.

LO1.1: Describe different types of sets and perform set operations.

LO1.2: Explain and construct ordered pairs, Cartesian products, and relations.

LO1.3: Explain functions, their properties and types, and graph different types of functions

LO1.4: Evaluate limits and continuity of functions

CO2: Apply matrices and determinants in solving linear equations and performing static and dynamic input-output analysis.

LO2.1: Perform elementary matrix operations, including addition and multiplication.

LO2.2: Determine the rank of a matrix and calculate determinants.

LO2.3: Compute the inverse of a matrix.

LO2.4: Apply Cramer's rule to solve systems of linear equations.

LO2.5: Conduct static and dynamic input-output analysis using matrices

CO3: Apply rules of differentiation to analyze economic functions, including demand, cost, and revenue, and interpret their economic significance

LO3.1: Apply differentiation rules to functions with one independent variable.

LO3.2: Use derivatives in economic applications such as elasticity of demand and cost/revenue functions.

LO3.3: Explain the relationship between average and marginal costs using derivatives.

LO3.4: Compute second and higher-order derivatives and apply them to economic problems

CO4: Use different techniques of integration to solve economic problems, including calculation of producer's and consumer's surplus.

LO4.1: Understand and apply basic rules of integration.

LO4.2: Use various techniques of integration including substitution, integration by parts, and partial fraction decomposition.

LO4.3: Derive total functions from marginal functions through integration.

LO4.4: Evaluate definite integrals and apply them to compute producer's and consumer's surplus.

CO5: Understand and solve first order linear differential equations and exact differential equations, with applications to economic problems.

LO1: Identify and solve first order linear differential equations using standard methods and interpret their solutions in the context of economic problems.

LO2: Determine and solve exact differential equations and apply these solutions to relevant economic scenarios.

UNITS	CONTENTS	L	T	P	Total Hours
I	Preliminaries Set: types and operations; Ordered pairs, Cartesian products and relations. Functions and their properties and graphs; Types of functions-polynomial, rational, exponential, and logarithmic; Limit and Continuity of a function.	10	1		12
II	Matrix, determinant and applications Matrices-elementary operations: matrix addition, product, rank of a matrix, determinants and their properties, inverse of a matrix, Application of Cramer's rule for solution of a system of linear equations; Input-output analysis: static and dynamic.	10	3		12
III	Derivatives of Functions of One Independent Variable Rules of differentiation for a function with one independent variable; Economic application of derivatives; Elasticity of demand, Cost and Revenue functions; Relation between Average and Marginal Costs, Second and higher order derivatives and application in Economics.	10			12
IV	Integration of functions Basic Rules of integration; Techniques of integration-substitution rule, integration by parts and partial fraction; Derivation of total functions from marginal functions; Definite integrals and its applications: Producer's surplus and consumer's surplus.	10	5		12
V	Differential Equation First order linear differential equations; exact differential equation, economic applications.	5	4		12
TOTAL		45	15		60

Where, L: Lectures

T: Tutorials

P: Practicals

**FOUR YEAR UNDERGRADUATE PROGRAMME IN ECONOMICS (NEP)
DETAILED SYLLABUS OF 3RD SEMESTER**

Course Title	:	Indian Economy- Trends in Economic Indicators
Course Code	:	ECOC4
Nature of Course	:	Major
Total Credits	:	4 credits
Distribution of Marks	:	60 (End-Sem.) + 40 (In-Sem.)

Course Objectives: With appropriate analytical frameworks, the aim of this course is to review major trends in economic indicators in India in the post-independence period, with particular emphasis on paradigm shifts and turning points. Emphasis needs to be given in capturing the emerging issues.

Course Outcomes: After successful completion of this course students will be able to-

CO1: To evaluate the trajectory of India's economic development since independence and analyze the shifts in development strategies from import substitution to post-1991 globalization.

LO 1.1: Identify the key features of the Indian economy on the eve of independence.

LO 1.2: Compare and contrast the goals and components of alternative development strategies employed by India since independence.

LO 1.3: Analyze the impact of import substitution and protectionist policies on India's economic development.

LO 1.4: Evaluate the effectiveness and challenges of the post-1991 globalization strategies, including stabilization and structural adjustment packages.

CO2: To explore the interplay between population dynamics and human development indicators in the context of India, and assess India's standing in the global human development landscape.

LO 2.1: Describe the demographic features and trends in India, including population size, growth rates, and age-sex composition.

LO 2.2: Explain the concept of demographic dividend and its implications for economic development in India.

LO 2.3: Evaluate the effectiveness of the National Population Policy in addressing demographic challenges.

LO 2.4: Assess India's human development record using indicators such as the Human Development Index and compare it with global benchmarks.

CO3: To analyze the concepts of poverty and inequality in the Indian context, and examine the strategies and policies aimed at poverty alleviation and reducing income inequality.

LO 3.1: Define and explain the concept of poverty and its incidence in India.

LO 3.2: Interpret poverty estimates and trends over time, and analyze the relationship between economic growth and poverty reduction.

LO 3.3: Identify the causes of income inequality in India and assess its magnitude and nature.

LO 3.4: Evaluate government policies and measures aimed at reducing poverty and addressing income inequality in India.

CO4: To examine the dynamics of India's labour force, occupational patterns, and unemployment trends, and analyze the role of government policies in addressing unemployment challenges.

LO 4.1: Describe the growth and structure of India's labour force and its relationship with economic development.

LO 4.2: Analyze the types and nature of unemployment prevalent in India.

LO 4.3: Evaluate the changing dimensions of unemployment and employment patterns over time.

LO 4.4: Assess the effectiveness of government policies and measures in addressing unemployment challenges and promoting inclusive growth.

CO5: To analyze India's economic interactions with the world economy and conduct a comparative assessment of India's development experience with high-performing Asian economies.

LO 5.1: Describe India's economic integration with the global economy and identify key drivers of international economic interactions.

LO 5.2: Compare and contrast India's development strategies with those of high-performing Asian economies such as Singapore, South Korea, and Taiwan.

LO 5.3: Analyze the factors contributing to the economic success of high-performing Asian economies and their relevance to India's development trajectory.

LO 5.4: Evaluate the lessons learned from international comparisons to inform India's future economic policies and strategies.

UNITS	CONTENTS	L	T	P	Total Hours
I	Economic Development since Independence Indian Economy on the eve of independence- An overview; Alternative development strategies since independence- goal of self-reliance based on import substitution and protection, the post-1991 globalization strategies based on stabilization and structural adjustment packages..	10			10
II	Population and Human Development Demographic features and trends- Size and growth rates of population, trends in birth and death rates, Density of population, Age and Sex Composition, Population as a factor of economic development, Demographic Dividend; National Population Policy; Human Development in India-Human Development indicators, Human Development Index, India's human Development record in global perspective.	14			14
III	Poverty and inequality Poverty- Concept and Incidence of Poverty in India, Poverty estimates, Growth and Poverty, Strategy of Poverty Alleviation; Inequality-Income inequality in India: Magnitude and Nature, Growth and Inequality, Causes of income inequality, Government policies and measures.	10			10
IV	Labour force, occupational pattern and unemployment Labour force growth, occupational structure and economic development, occupational distribution of labour force; Unemployment-Nature and types of unemployment in India, Magnitude, Changing dimensions of unemployment and employment, Causes of unemployment, Government policies and measures.	14			14
V	International Comparisons India's economic interaction with the world economy, A comparative assessment of India's development experience with high performing Asian economies- Singapore, South Korea and Taiwan	12			12
TOTAL		60			60

UNITS	CONTENTS	L	T	P	Total Hours
I	Development strategies since Independence India as a developing economy, Alternative development strategies since independence- goal of self-reliance based on import substitution and protection, the post 1991 globalization strategies based on stabilization and structural adjustment packages.				10
II	Demographic features and trends - Size and growth rates of population, trends in birth and death rates, Density of population, Age and Sex Composition, Demographic Dividend; National Population Policy				14
III	Poverty and inequality Poverty-Concept and Incidence of Poverty in India, Poverty estimates, Growth and Poverty, Strategy of Poverty Alleviation; Inequality-Income inequality in India: Magnitude and Nature, Growth and Inequality, Causes of income inequality, Government policies and measures.				10
IV	Labour force, occupational pattern and unemployment Labour force growth, occupational structure and economic development, occupational distribution of labour force; Unemployment-Nature and types of unemployment in India, Magnitude, Changing dimensions of unemployment And employment, Causes of unemployment, Government policies and measures.				14
V	Human development Human Development in India- Human Development indicators, Human Development across states; India's human Development record in global perspective.				12
TOTAL					60

Where,

L: Lectures

T: Tutorials

P: Practicals

MODES OF IN-SEMESTER ASSESSMENT:

40 Marks

- Two Internal Examinations - 20 Marks
- Others (Any two) - 20 Marks
 - Home assignment
 - Viva voce
 - Seminar
 - Group discussion
 - Quiz

**FOUR YEAR UNDERGRADUATE PROGRAMME IN ECONOMICS (NEP)
DETAILED SYLLABUS OF 3RD SEMESTER**

Course Title	:	Basic Development Economics
Course Code	:	GECECO3
Nature of Course	:	Generic Elective
Total Credits	:	3 credits
Distribution of Marks	:	60 (End-Sem.) + 40 (In-Sem.)

Course Objective:

The objective of this course is to enable the students to learn about some of the key concepts related to growth and development which would help to understand intricacies of growth and development later.

Course Outcomes: After successful completion of this course students will be able to-

CO1: Understand and analyze the concepts of development and underdevelopment, including various theories of economic growth and growth strategies.

- LO1.1: Distinguish between the concepts of economic growth and development, and explain the development gap.
- LO1.2: Identify the key features of underdevelopment and the processes of structural change in developing economies.
- LO1.3: Compare and contrast the major theories of economic growth, including Classical, Harrod-Domar, Lewis, Neo-Classical, and New Growth theories.
- LO1.4: Evaluate different growth strategies such as balanced growth, unbalanced growth, and the critical minimum thesis.

CO2: Assess the various factors influencing development, different measures of development, and concepts and measures of poverty and inequality.

- LO2.1: Analyze the role of agriculture, capital, technology, and institutions in the development process.
- LO2.2: Explain the relationship between population growth and economic development.
- LO2.3: Compare different measures of development, including GNP per capita, PQLI, and HDI.
- LO2.4: Evaluate various concepts and measures of poverty and inequality and their implications for development.

CO3: Explore the concepts of capabilities and functionings, human development, and the link between environment and development, including sustainable development and climate change.

- LO3.1: Describe the concepts of capabilities and functionings and their relevance to human development.
- LO3.2: Assess the environmental challenges faced by developing and developed countries and their impact on sustainable development.
- LO3.3: Analyze the linkage between environmental issues such as global warming and climate change and their impact on agriculture and the economy.
- LO3.4: Evaluate policy options for addressing environmental challenges in both developing and developed countries, considering the SDGs.

CO4: Understand the relationship between trade, globalization, and economic development, including trade policies and the historical perspective of globalization.

- LO4.1: Explain the role of trade in economic growth and its potential as an engine of growth.
- LO4.2: Compare import substitution and export promotion as trade policy strategies.
- LO4.3: Analyze the Terms of Trade with a focus on the Prebisch-Singer Hypothesis.
- LO4.4: Discuss the historical perspective of globalization and identify the key issues and challenges associated with globalization.

UNITS	CONTENTS	L	T	P	Total Hours
I	Development and Underdevelopment: Growth vs Development; Development gap; Features of underdevelopment and structural change; Theories of Economic growth- Classical, Harrod-Domar, Lewis, Neo-Classical and New Growth theory Growth strategies: Balanced growth, Unbalanced growth, critical minimum thesis	11			11
II	Issues of Development : I Factors in the development- Agriculture, Capital, Technology and Institution; Population growth and Economic Development; Measures of Development- GNP per capita, PQLI, HDI; Various concepts and measures of poverty and inequality	12			12
III	Issues of Development II: Capabilities and Functionings; Human development; Environment-Development Linkage; Environmental problems of the developing and the developed countries; Sustainable development;SDGs; Global Warming and Climate Change; Impact of climate change on agriculture and on Economy; Policy options with developing and developed countries	12			12
IV	Trade, Globalization and Development: Trade and Economic Growth; Trade as an engine of growth; Trade Policy: Import substitution vs Export Promotion; Terms of Trade: Prebisch-Singer Hypothesis Globalization in historical perspective; Issues and Challenges of Globalization	10			10
TOTAL		45			45

MODES OF IN-SEMESTER ASSESSMENT:

40 Marks

- Two Internal Examinations - **20 Marks**
- Others (Any two) - **20 Marks**
 - Home assignment
 - Viva voce
 - Seminar
 - Group discussion
 - Quiz



DEPARTMENT OF ENGLISH
Sadiya College, Chapakhowa
Tinsukia, Assam-786157

PROGRAMME OUTCOME OF FYUGP 2020

Programme Learning Outcome (PLO):

An undergraduate student of English should be able to:

PLO 1. Develop an understanding of the major concepts, theoretical perspectives and recent areas of studies in English literature.

PLO 2. Use critical thinking ability in both understanding a text and in analyzing real life situations.

PLO 3. Develop a critical approach towards the socio-political and cultural milieu of a society through the study of literary texts

PLO 4. Develop effective communicative skills in and outside the classroom

PLO 5. Demonstrate professional competencies such as digital learning, creative writing, translation.

PLO 6. Demonstrate competencies required for preparing one for the prospects of diverse professions.

PLO 7. Demonstrate competencies in learning to update knowledge and practice targeted to improve professional knowledge and practice

✓ H.O.D. of English
Sadiya College, Chapakhowa
for

Priyanka Sharma

Department of English B.A. Honours Under FYUGP Dibrugarh University 2023
The Programme Specific Outcome

SL No	Semester	Paper Code	Title Of Paper	Course Outcome
1	B.A. 1 st Sem.	ENGCI	British Poetry and Drama: 14 th To 17 th Century	After the completion of the course, the learners would be able to: ➤ Know the political, social, cultural and literary contexts of 14th to 17th Century Britain ➤ Determine the influence of the European Renaissance on the works of the Elizabethan authors, including Shakespeare ➤ Understand the two genres – poetry and drama -in terms of their history and development till the Elizabethan period
2	B.A. 1 st Sem.	MINENG I	British Poetry and Drama: 14 th To 17 th Century	After the completion of the course, the learners would be able to: ➤ Know the political cultural social and literary contexts of 14th to 17th Century Britain ➤ European Renaissance on the works of the Elizabethan authors, including Shakespeare ➤ Understand the two genres - poetry and drama – in the terms of their history and development till the Elizabethan period
3	B.A. 1 st Sem.	SEC 105	SOFT SKILLS	After the completion of the paper, the learners will be able to: ➤ Derive competency in the world of work, where effective interpersonal skills are very important ➤ Develop writing competency in such a way that it enables one to frame CVs, memos, application properly ➤ Develop computer skills, especially those that are necessary in work station, like using MS Word document, Excel sheet etc. ➤ Develop leadership skills, as well as the capacity for networking and effective team work

4	B.A. 2 nd Sem.	ENGCI	British Poetry and Drama: 17 th to 18 th Century	Objectives are: ➤ To acquaint learners with British poetry, especially epic and mock epic ➤ To study Jacobean drama ➤ To familiarize learners with the historical contexts of the period – from the Puritan interregnum to the Restoration of Charles II.
5	B.A. 2 nd Sem.	MINENGII	British poetry and drama: 17 th to 18 th Century	Expectations are: ➤ To acquaint learners with British poetry, especially epic and mock epic ➤ To study Jacobean drama ➤ To familiarize learners with the historical contexts of the period Puritan interregnum to the restoration of Charles II
6	B.A. 2 nd Sem.	AECENGII	English Language and Communication Skills	After completion of this course, the learner will be able to: ➤ Develop effective interpersonal and group communication skills ➤ Develop writing competencies like framing CVs, memos, applications properly ➤ Develop core competencies to perform effectively in GDs, personal interviews etc.
7	B.A. 3 rd Sem.	ENGCI	British Literature- 18 th Century	After the completion of the course, the learner will be able to: ➤ Understand the spirit of the age and the literature embodying this spirit ➤ Learn about the features Restoration comedies ➤ Learn about the origin and development of the novel ➤ Trace the development of the mock epic from Dryden to Pope.

8	B.A. 3 rd Sem.	ENGC IV	Literary Criticism	After the completion of this course, the learner will be able to: ➤ Read and critically analyse different texts from the lenses provided by the concepts of literary criticism ➤ Learn the significance of mimesis as a mode of representing the world in word ➤ Know how epochs and contexts determine critical responses and reception ➤ Formulate a critical principle in reading and interpreting text
9	B.A. 3 rd Sem.	MINENG III	British Literature- 18 th century	After the completion of the course, the learners will be able to: ➤ Understand the spirit of the age, and the literature embodying in spirit ➤ Learn about features of restoration comedies ➤ Learn about the origin and development of the novel ➤ Trace the development of the mock epic from Dryden to Pope
10	B.A. 3 rd Sem.	AECENG III	Communicative English: Business Communication	After the completion of the course, the learners will be able to: ➤ Develop effective interpersonal and group communication skills ➤ Learn the basic forms, formats and technique of business writing ➤ Receive the latest research information on language in general and the writing process in particular for becoming highly confident and skilled writers ➤ Know about relevant communication theories, which will enable application of such knowledge to myriad communication-related tasks.

Aims of Four Year Under-Graduate Programme (FYUGP) in History:

1. To enhance the students' learning about History as a Social Science discipline, by providing the students with a rigorous and challenging historical experience aiming to develop sound theoretical background in the subject.
2. To enable the students to understand the Historical methodologies.
3. To develop capabilities of the students to critically evaluate issues and the emerging trends influencing the field of History.
4. To promote an understanding of the process of change with time.
5. To familiarize students with educational technology and train them in the use of ICT in History.

BA 1st Semester

Course Code: HISC1

Course Title: HISTORY OF INDIA-I (Prehistory to c.300BCE)

The objective of the paper is to have a thorough understanding of the history of India. The paper deals with the early history of the Indian subcontinent starting from the age of prehistory to the post-Vedic Civilization. The paper will help the students in understanding the history of our earliest hominid ancestors along with the cultural transitions that happened in due course of time.

Learning outcome:

- To have an understanding on prehistory and sources of Indian prehistory.
- To acquaint with the prehistoric period and prehistoric cultures, distribution of sites, tools and technologies, economic, and socio-cultural developments of the period concerned.
- To acquaint the students with The Indus valley civilization.
- To acquaint the students with the Vedic period and the state formation in Early India.

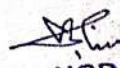
Course Code: MINHIS1

Course Title: History of Ancient India

Objectives: The objective to the paper is to have a thorough understanding of the Ancient Indian History. The paper deals with the various sources that helps to reconstruct the Ancient Indian History, along with the histories starting from the Harappan Civilization to the Turkish and the Arab invasion of India.

Learning outcome:

- To understand the history of ancient and early medieval India.
- The students will have knowledge on the sources of ancient India as well as the political history and dynastic chronology of the sub-continent up to 1200 C.E.


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Sadiya College
Chapakhowa-786157

Course Code: GECHIS1

Course Title: Introduction to Culture and Heritage of Ancient India

Objectives: The objective of the paper is to have a thorough as well as a comprehensive understanding of the cultural heritage of Ancient India. The paper will deal with an introduction to Ancient Indian Literature, Ancient Indian Religion and Philosophy, and Ancient Indian Art and Literature.

Learning Outcome:

- To have an understanding on culture and heritage of ancient India.
- The students will be acquainted with the literature, philosophy, art, architecture and sculptural developments in India during the period concerned.

Course Code: Value Added Course

Title: Understanding India

Objectives: The objective of the paper is to have a thorough as well as a comprehensive understanding about India, its cultural development through art and architecture, religions and philosophies of ancient India. The paper also deals with various constituent assembly debates along with the formation of the Indian Constitution.

Learning Outcome:

- To have an understanding on history and culture of ancient India.
- The students will be acquainted with the literature, philosophy, art and architectural developments in India during the period concerned.
- The students will also get to know about their constitutional rights and duties.

Course Code: Skill Enhancement Course

Course Title: Tourism Management

Objectives: The objectives of this paper are to give a basic idea of Tourism Management and aim to preserve Cultural heritage and sustainable development.

Learning Outcome:

- Creation of Employment opportunities.
- Ability to organise tourism-related activities.
- Capacity to manage and developed the places of tourist interest.

BA 2nd Semester

Course Code: HISC2

Course Title: Social Formations and Cultural Patterns of Ancient and Medieval World

Objective: To understand the historical development of human civilization around the world. This course will make student understand various socio-cultural and economic developments of early human societies. The students will also learn about the challenges and crisis faced by these early civilizations and their responses to these crises.

Learning Outcome:

- Learners will be acquainting with the historical developments of various civilizations of ancient and medieval world.
- They will have a comprehensive view about various political, economic and cultural developments of different human societies.
- The students will also learn the changes and crisis faced by early and medieval societies.

Course Code: MINHIS2

Course Title: History of Medieval India

Objectives: To have a comprehensive knowledge about the polity-society- economy of India in medieval period. The course will help the students to understand the chronological history of India from the Turkish invasion to the advent of the British rule. This paper will also see the developments in the major religious trends of the time and also give an idea of the art/architecture and culture of medieval India.

Learning Outcome:

- The student will have an understanding of the history of medieval India.
- The students will have knowledge on the sources of medieval India as well as the political history and dynastic chronology of the sub-continent from 1200 C.E.
- This paper will also give an understanding of socio-religious developments of medieval period.

Course Code: GECHIS2

Course: Introduction to Cultural Heritage of Assam

Objective: To make the students aware of the rich cultural heritage of ancient and Medieval Assam. The students will make acquainted with the art and architecture of the period under study with a focus on major archaeological sites and architectural remains. The students will also study the neo-Vaishnavite traditions of Assam and its socio-religious context.

Learning Outcome:

- This paper will acquaint the students about the rich cultural heritage of Ancient and Medieval Assam.
- The students will understand the context and various stylistic traditions of archaeological and architectural remains.
- The students will also have an understanding of neo-Vaishnavite traditions of Assam.

BA 3rd Semester

Course Code: HISC 3

Course Title: History of India II (c.300 BCE-500 CE)

Objective: The goal of the paper is to comprehend the political development of India from the Mauryan to the Gupta dynasties, the two most important dynasties in the early history of the Indian subcontinent. It


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will cover the period from 300 BCE to 500 CE, during which various native and foreign dynasties ruled the nation along with their socio-economic development.

Learning Outcome:

- After the completion of the course, the students will have a very good understanding about the rich part of Indian history specifically from the Mauryan to the Gupta period.
- The students will be acquainted with the changing political formations, trade, urbanism, coinage, religious and socio-cultural developments of the period concerned.

Course Code: HISC 4

Course Title: History of India –III (post-Gupta to 1206 CE)

Objectives: To have a comprehensive and a thorough understanding of the History of India right from the Post Gupta period to the year 1206. The students will get an understanding of the society, polity and economy in the ancient and in the early medieval period. The paper deals with mainly the Political Structures, Agrarian Structure, Trade, Social Change as well as religious and cultural developments in the period of study.

Learning Outcome:

- This gives an idea about the political as well as religious structure of the post-Gupta period of Indian history.
- The students will be acquainted with the changing political structures, agrarian structures, social change, trade, urbanism, religious and cultural developments during the period concerned.

Course Code: MINHIS 3

Course Title: History of Modern India (From 1757- 1947 A.D.)

Objective: Understanding what transpired after the Mughal Empire's ages of decline led to the development of local dynasties and the establishment of British rule in India is the paper's main goal. Additionally, it will incorporate various expansionist measures taken by the British government and the East India Company to maintain their superiority over the Indian states. The revolts of various communities against British policies will also be made known to the students.

Learning Outcome:

- The students will understand the major factors that led to the establishment and consolidation of the British rule in India.
- The student will also acquaint with the socioeconomic impact of the policies introduced by the British.
- The students will understand the process of the growth of nationalist movement, its different phases leading to Independence and partition.

Course Code: GECHIS3

Course Title: Introduction to Indian Freedom Struggle (1857-1947)

Objective: Understanding India's freedom struggle and its various phases of development starting in 1857 is the paper's main goal. The student will also learn about the various Gandhian policies that enabled this social movement to reach its pinnacle and return political power to nationalists.

Learning Outcome:

- The syllabus will help to understand the growth and development of Indian national movement and the role of Gandhi and his impact on the Indian national movement
- It will also enumerate the students' knowledge to understand the different phases and ideologies of the Indian freedom movement and to understand the causes and consequences of partition of India.

Course Code: Skill Enhancement Course (SEC)

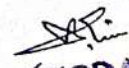
Course Title: NSS for Youth Nature of the Course

Objectives:

- To explain the nature, functions and importance of NSS.
- To explain the role of NSS in the context of youth, community and voluntary service.
- To develop the necessary communication and soft skills.
- To appreciate the importance of health, hygiene and sanitation for a healthy nation.
- To develop the concept and skills of managing environment issues and disaster management.

Learning Outcomes:

- Explain the role and functions of NSS.
- Appraise the role of NSS volunteers in developing the society as a whole.
- Develop the necessary skills of effective communication, leadership and healthy living.
- Develop the necessary skills to mitigate disasters and other environmental challenges.
- Develop consciousness about personal health and hygiene.


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Department of Mathematics

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Program Outcomes, Program Specific Outcomes and Course Outcomes (FYUGP)

Program Outcomes	After completion of three years B.Sc. course in Mathematics, students will get the detailed knowledge to analyze Mathematics and they have understood Mathematics of real-life problem.	
Program Specific Outcomes	After completion of the B.Sc. program in Mathematics students will be able 1. To analyze and solve the real-life problem in Mathematics. 2. To know C program, Matlab, Mathematics which are useful tools of many subject areas like Computer Science, Chemistry, Physics, Engineering, etc. 3. To know the reasoning techniques/ability. 4. To use technology in different areas of Mathematics. 5. To construct Mathematical models to mimic real life problems, and make their predictions, estimations and regression.	
Course Outcomes	Course Outcomes of Choice Based Credit System (CBCS)	
	MTHC1 Calculus and Classical Algebra	After going through this course, the students will be able to 1. To introduce the concept of De Moivre's Theorem and its application in the expansion of some trigonometric functions. 2. To learn the techniques of successive differentiation, Leibnitz theorem, and L'Hospitals rule for evaluation of limit. 3. To explain various types of reduction formula for integration of trigonometric function and

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Department of Mathematics

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		applications in finding the volume and surface area of revolution of curve. 4. To introduce the system of linear equation, solution of linear equation.
	MINMTH1 Differential Calculus	After going through this course, the students will be able to 1. To introduce the important concept of calculus, namely, limits, continuity, differentiability of functions and their various applications. 2. To apply the Rolle's theorem, mean value theorem and Taylor's theorem in various problems.
	GECMTH1A Foundation in Mathematics-I	After going through this course, the students will be able to 1. To introduce the basic concepts of sets and mathematical logic in order to develop the critical and logical thinking in solving the problems. 2. To explain the key concepts of calculus, namely, limits, continuity, differentiability of functions and their various applications.
	GECMTH1B History of Mathematics	After going through this course, the students will be able to 1. To introduce the historical perspective of mathematics such as numerical symbol, word numerals, place value notation. To explain the arithmetic algorithms, construction of sine tables and Diophantine equation in ancient and medieval India.
	SEC115 Computer	After going through this course, the students will be able to



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	Laboratory-I	1. To introduce the concept of MATLAB or MATHEMATICA or Open-Source Software and its applications. 2. To plot different types of graphs and solve the different types of equations by plotting the graph using different computer software such as Mathematica /MATLAB or any other software.
	MTHC2 Real Analysis and Differential Equations	After going through this course, the students will be able to 1. To explain the deep understanding of real line and of important terms to prove the results about convergence and divergence of sequences and series of real numbers. 2. To introduce the concept of Differential Equations, and develop the skill to solve differential equation of different order.
	MINMTH2 Real Analysis	After going through this course, the students will be able to 1. To develop a deep understanding of real line $\mathbb{R}$ and of important terms to prove the results about convergence and divergence of sequences and series of real numbers. 2. To study different types of infinite series and their convergency test.
	GECMTH2A Foundation in Mathematics II	After going through this course, the students will be able to 1. To introduce the basic concept of difference operator with their relation and interpolation of function for the set of tabulated points.



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		2. To study the basic concepts of probability, random variables and the measure of central tendency.
	GECMTH2B Business Mathematics	After going through this course, the students will be able to 1. To introduce the basic concept of matrix and determinant with their applications in business and economic problems. 2. To explain the graphical solution of linear programming problem with two variables.
	SEC214 Computer Laboratory-II	After going through this course, the students will be able to 1. To model the various real-life problems namely exponential decay model, lake pollution model etc. using MATHEMATICA /MATLAB/Open-source software etc. 2. To plot the recursive sequences, sequence of partial sum using Mathematica /MATLAB.
	MTHC3 Theory of Real Functions	After going through this course, the students will be able to 1. To explain in-depth concepts of function, namely, limits, continuity, differentiability and their applications. To study Rolle's theorem, mean value theorem.
	MTHC4 Group Theory I	After going through this course, the students will be able to 1. To introduce the concept of fundamental theory of groups with its various types and their homomorphisms.



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		2. To study the Fermat's Little theorem as a consequence of the Lagrange's theorem on finite groups.
	MINMTH3 Differential Equations	After going through this course, the students will be able to 1. To introduce the concept of Differential Equations, Mathematical Modeling and their applications. 2. To explain solution technique of ordinary and partial differential equations.
	GECMTH3A Mathematical Finance	After going through this course, the students will be able to 1. To introduce the concept of finance in mathematics. 2. To apply mathematics in the financial world, which enables the student to understand some computational and quantitative techniques required for working in the financial markets.
	GECMTH3B Combinatorial Mathematics	After going through this course, the students will be able to 1. To analyze Binomial theorem, Multinomial theorem, Necklace problem, Burnside's lemma, Poly's theorem and application. 2. To study the principles of counting, principles of inclusion and exclusion, permutations and combinations, generating functions, recurrence relations, partition etc.
	AECMTH3 Mathematical Ability	After going through this course, the students will be able to 1. To enhance the basic mathematics skills and logical reasoning which required in



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		day-to-day life. 2. To analyze and draw conclusions from the data, which may be presented in the form of tables or graphs.
	SEC315 Mathematical Logic	After going through this course, the students will be able to 1. To introduce the basic concept of sets and mathematical logic 2. To develop the critical and logical thinking in solving the problems.



DEPARTMENT OF PHYSICS
SADIYA COLLEGE
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Dr.Saradi Bora
Head of the department
Gmail: sadiyacollegephysicsdept@gmail.com
Contact: 9864678656

Programme Learning Outcome for Physics (Major)

PO1: Disciplinary knowledge: Students will develop an adequate foundation of theoretical concepts and experimental techniques in physics.

PO2: Problem solving capacity: Students will be able to apply the knowledge of physics to solve problems using mathematical tools, experimental methods and computational techniques in relevant areas.

PO3: Communication and presentation skills: Students will be able to communicate effectively about their understanding, ideas and findings to explain natural phenomena.

PO4: Analytical and critical thinking: Students will be able to evaluate the validity of information and evidence as well as to assess different methodologies & tools. They will be able to critically analyze the existing knowledge and diverse situations.

PO5: Digital and ICT efficiency: Students will be able to use modern ICT tools in a variety of learning environments for knowledge gain, and work situations to broaden the capability and improve efficiency.

PO6: Teamwork and leadership: Students will be able to develop teamwork and leadership abilities to work effectively in a co-operative and coordinated manner within diverse teams and peer groups.

PO7: Research and inquiry: The students will develop the skills of observation and inquiries, and the ability to identify and articulate problems/issues.

PO8: Multidisciplinary learning: Students will be able to analyze a problem through a multidisciplinary approach.

PO9: Ethics and Values: Students will comply with ethical conduct and adhere to professional standards in learning.

PO10: Employability and entrepreneurial skills: Students will acquire adequate skills and knowledge to become employable and/or entrepreneur.



(Dr. Saradi Bora)
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DEPARTMENT OF POLITICAL SCIENCE
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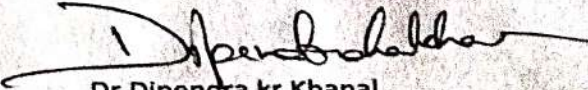
COURSE OUTCOMES

The following are the Course Outcomes (COs) of the FYUGP in Political Science. After completion of this course, the learners will be able to:

- Analyse the evolution, approaches and relevance of the study of political theory
- Interpret various schools of thought in political theory
- Illustrate the contemporary perspectives in political theory
- Explain the different concepts and theories of state and citizenship
- Assess the nature and diversities of democracy
- Analyse the concept and relevance of the study of political theory
- Examine the concepts of liberty, equality and justice in political theory
- Assess the concepts of rights and democracy in political theory
- Explain the concept of citizenship in political theory
- Evaluate the nature of state and civil society in political theory
- Describe the concept and the institutional frameworks of human rights
- Examine the functioning of human rights institutions in the Indian context
- Analyse the human rights movements in India
- Analyse the legal system and its functioning in India
- Describe the criminal procedures and other laws related to different crimes
- Apply the knowledge of the legal system in solving socio-political issues
- Describe the structure and features of the Indian Constitution
- Examine the institutional design of the Indian constitution
- Assess the various dimensions of federalism in India
- Analyse the process of decentralisation and local governance in India
- Examine the various approaches in the study of Indian Politics
- Describe the structure and features of the Indian Constitution
- Assess the electoral processes in India.
- Evaluate the contemporary debates in Indian politics.
- Analyse the ideas of Gandhi and their socio-political relevance.
- Compare and contrast the views of Gandhi and Ambedkar
- Examine the powers, procedures and functioning of the Indian parliament
- Analyse motion and law-making procedures in the Indian Parliament
- Apply the fundamentals of mock parliament
- Analyse the discipline of International Relations
- Analyse various Theoretical Perspectives to the study of international relations
- Examine Critical Perspectives to the study of international relations
- Evaluate the Twentieth-Century IR History
- Assess the implications of the Cold War and Post-Cold War politics
- Analyse various approaches to the interpretation of text
- Evaluate Ancient Political Thought
- Assess the significance of Machiavellian discourse
- Analyse Hobbes' views on the state of nature
- Evaluate Lockean discourse

- Evaluate post-independence Development Processes in India
- Assess the implications of the Industrial Development Strategy on Social Structure
- Analyse the strategy of Agrarian Development and Impact on Social Structure
- Assess the nature of Social Movements in India
- Analyse various approaches to Public Policy Discourse
- Evaluate the role of the state in public policy formulation and application
- Analyse the role of various actors of political economy in the public policy Process
- Assess the policy formulation in India
- Analyse the practice of E-Governance
- Assess the role of E-Governance in India
- Assess various mechanisms for e-governance
- Analyse the significance of information technology for e-governance
- Analyse the conceptual and theoretical categories of comparative politics
- Evaluate different political-economic systems
- Analyse the processes of colonization and decolonization
- Interpret the constitutional and political developments of various states
- Describe the basic tenets of Public Administration
- Analyse the theoretical categories of public administration
- Evaluate the relevance of public policy
- Assess emergent discourses in public administration
- Describe the existence and trends in the party system in India
- Analyse the electoral processes and political behaviour in India
- Assess the regional aspiration in Indian politics
- Analyse the reflection of the dynamics of caste and religion in Indian politics
- Analyse the changing nature of the Indian state
- Explain the basic concepts of political theory
- Analyse the concepts of justice and rights
- Analyse the major debates in political theory
- Analyse the conceptual and theoretical categories of comparative politics
- Evaluate different political economic systems
- Analyse the processes of colonization and decolonization
- Interpret the constitutional and political developments of various states
- Analyse various approaches to the study of Comparative Politics
- Evaluate the intricacies of electoral and party systems.
- Appraise the concept of and developments around the nation-state
- Assess democratization as a political process.
- Explain the nature and processes of globalization
- Evaluate the role of the important institutions of global politics
- Explain the major global issues in the contemporary world
- Examine the major debates in global politics
- Analyse the significance of global shifts
- Illustrate the concept and discourses on modernity
- Analyse the political ideas of Rousseau and Wollstonecraft and their contemporary relevance
- Explain the contributions of the modern political philosophers of the schools of Liberal Socialists and the Radicals
- Explain the sovereign state system
- Evaluate the role of the important institutions of global politics
- Assess the inter-relations between identity, culture and the forces of globalization

- Analyse the major debates in global politics
- Analyse the theoretical understandings of public policy discourse
- Evaluate public policy management and role of institutions
- Analyse the processes of policy implementation
- Outline the process of public policy making in India
- Analyse public policy developments in India
- Assess various approaches to political economy and their relevance in contemporary era
- Interpret Capitalist Transformation:
- Appraise the issues in Development
- Evaluate the intricacies of Globalization and Development Dilemmas
- Analyse the theories and institutions of human rights
- Appraise the role of major human rights institutions
- Analyse emergent issues of human rights in select countries
- Analyse structural violence in different societies
- Analyse various Conceptualizations and related approaches of Feminism
- Analyse Feminist movements in the West
- Analyse women's issues in India
- Explain the feminist movements in Northeast India
- Analyse the processes of governance
- Appraise the process of governance in development.
- Assess environmental governance and its intricacies.
- Argue for complex forms of local governance
- Evaluate good governance initiatives in India


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 Sadiya College, Chapakhawa
 Department of Biological Science
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PROGRAMME OUTCOMES

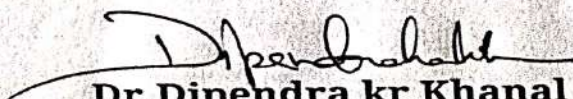
The following are the Programme Outcomes (PO) of the FYUGP in Political Science that graduates are expected to achieve. After completion of the programme, graduates will be able to:

1. Demonstrate a comprehensive understanding of key political concepts, theories, ideologies and methodologies in Political Science to analyse the structures and functions of key political systems, institutions and processes.
2. Analyse global issues with an understanding of diverse socio-cultural and political contexts through an inter-disciplinary approach.
3. Identify and address issues of inequality, social justice, rights and sustainability in the context of contemporary socio-political phenomena.
4. Apply critical thinking to identify and evaluate various socio-political issues, policies and debates related to the state, society, community and beyond.
5. Design research projects using appropriate methodologies to understand diverse political phenomena and find solutions.
6. Conduct analysis of political phenomena using appropriate research methods and tools to advocate for policy changes.
7. Engage in relevant political debates demonstrating strong articulation, communication skills and logical reasoning.
8. Use discipline specific principles to demonstrate leadership skills and collaborative work in addressing issues of socio-political relevance.
9. Engage in higher studies, research and lifelong learning for continuous individual and professional development.
10. Use knowledge of concepts of Political Science to contribute towards cultivating a sense of responsible citizenship, community development, public discourse, policy formulation and implementation process.

PROGRAMME SPECIFIC OUTCOMES

The following are the Programme Specific Outcomes (PSO) that graduates are expected to achieve at the end of the UG programme in Political Science-

1. Apply key political concepts, theories and ideologies to analyse political issues and debates.
2. Assess socio-political events at the local, national and international contexts through strong analytical and critical thinking.
3. Evaluate issues of comparative politics, political processes and institutions of different countries, global governance structures, global political economy and ecology in shaping political and social landscapes.
4. Create a sense of ethical responsibility and civic engagement to make them responsible citizens through an understanding of key political concepts.
5. Use an interdisciplinary approach to study social and political phenomena.
6. Prepare for careers in academia, civil service examinations like UPSC, APSC etc. and other competitive examinations like UGC NET-JRF, SLET, political consultancy, journalism and media etc. showcasing strong communication, leadership and problem-solving skills.


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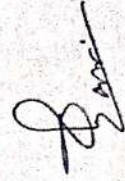
DEPARTMENT OF SOCIOLOGY
SADIYA COLLEGE, CHAPAKHOWA
FYUGC-BA HONOURS IN SOCIOLOGY
PROGRAMME SPECIFIC OUTCOME

The Outcomes of Four Year Under-Graduate Programme (FYUGP) in Sociology are:

1. This Course enhance the student's learning capacity to understand society, clarify and broaden their notion about the subject, the basic concepts used and some universal societal processes. It will aim at providing students a rigorous and challenging way of sociological thinking by developing sound theoretical background in the subject.
2. Student will enable the students to understand the foundations of Sociology.
3. Develop capabilities of the students to critically evaluate issues and the emerging trends influencing the field of Sociology.
4. Equip students with soft skills and inculcate values through value education for personal development.
5. Familiarize students with Sociological way of imagining Society, develop research interest in the subject and train them in the use of

ICT in Sociology.

6. Help the students to examine the organization, structure, and change of social groups and institutions. This course combines rigorous methods of inquiry and analysis in various areas of research, such as: mass media, the environment, racism, gender issues, class, and deviance and social control, where our students can generate their interest in later research work.


(Jaisam Chanymai)

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Sadiya College
Date.....

DEPARTMENT OF SOCIOLOGY
SADIYA COLLEGE, CHAPAKHOWA
COURSE OUTCOME

UNDER FYUGP 2023-2025

SL NO	SESSION	PAPER CODE	PAPER NAME	COURSE OUTCOME
1	2023-2024	MAJOR C-I	Introduction To Sociology-I	Identify the sociological way of thinking. Understanding how sociology is related to other dimensions of social sciences. Understand how social life is influenced by group membership. Understand the different dimensions and directions of social change and how it affects different institutions of society.
	2024-2025			
2	2023-2024	MINOR -I	Sociological Perspectives	Understand different sociological perspectives Understand interpretive sociology of Max Weber to explain society. Understand conflict perspectives to explain social change. Understand structuralism to explain social structure, social system and function. Understand the importance of interaction in explaining human behaviour. Understand critical theories to explain the underlying problems of society.
	2024-2025			
3	2023-2024	GEC-I	Introduction To Sociology	Understand the process behind the development of sociology in west. Understand the nature and scope of sociology. Understand different sociological concepts to define social life. Understand the importance of social stratification and social mobility to explain social behaviour and human relation in society.
	2024-2025			
4	2023-2024	SEC	Techniques Of Social Research	Understand the basic concepts and the techniques of sociological research with different methods of data collection. Understand the Framing of research design and how to do qualitative and quantitative research. Understand different methods of data analysis both in quantitative and qualitative research.
	2024-2025			

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5	2023-2024	MAJOR C-II	Introduction To Sociology - II	Understand different sociological theories to explain social structure, system and relationships. Understand how conflict is a theoretical perspective to explain society. Understand the importance of social interaction in understanding human behaviour. Understand critical theories to explain human relationships in society and with different social institutions. Understand Indian society as a plural society and the emergent trends of pluralism. Understand the different social institutions of India and its changing trends, nature and characteristics. Understand the process of social formation of identities and changes in Indian society. Understand the challenges and contradictions faced by Indian society in recent times.
	2024-2025			
6	2023-2024	MINOR-II	Sociology Of India	Understand the sociological explanation about Indian society and India as a nation and as a civilization. Understand the major social institution of Indian society and the processes of functioning of these institutions. Understand critically the concepts of civilization, colony and nation in Indian context.
	2024-2025			
7	2023-2024	GEC-II	Indian Society: Images And Realities	Understand the sociological explanation about Indian society and India as a nation and as a civilization. Understand the major social institution of Indian society and the processes of functioning of these institutions. Understand critically the concepts of civilization, colony and nation in Indian context.
	2024-2025			
8	2023-2024	MAJOR-III	Sociology of India - I	Identify how sociological knowledge is constructive in Indian Social Context. How sociological imagination is related to different institutions of Indian society Understand the relationship between castes, tribes and village studies with major social institutions of Indian society. How Indian social institutions are the backbone of Indian social life and how it is related to sociological understanding.
	2024-2025			
9	2023-2024	MAJOR-IV	Sociological Thinkers - I	Understand the classical theories of sociology. Understand the process of human evolution and how it is related to the evolution of positive philosophy. Understand conflict interpretation of society by Karl Marx Understand the process of social evolution and how it is related to division of labour in society.
	2024-2025			

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Deptt of Sociology
Sadiya College

Date: _____
(Prof. Rm. Chandra)

10	2024-2025	MINOR -III	Methods of Sociological Enquiry	Identify the complexity and philosophical underpinnings of research. Understand the methodologies of sociological research methods. Understand different methodological perspectives to do sociological research. Understand dynamics of quantitative and qualitative research methods.
11	2024-2025	GEC-III	Marriage, Family and Kinship	Understand critically the major concern and debates surrounding marriage family and kinship in India Understand the theoretical issues and major practices surrounding contemporary family marriage and kinship systems in India.
12	2024-2025	SEC	Human Behaviour at Work	Understand the basic principle of organizational behaviour and how it is related to society. Understand the contemporary trends and changes found in organization and how it is influencing human behaviour Understand different approaches and models of studying organizational behaviour and the contemporary challenges faced by it.
13	2024-2025	MAJOR -V	Sociology of India -II	Examine the historical trajectories of India Analyze the facets of Pluralism and Unity in India Examine the Assimilative, Liberal, Cultural and Nationalist Imagination of India. Compare Gandhi and Ambedkar's perspectives of India
14	2024-2025	MAJOR -VI	Sociological Thinkers-II	Explain Radcliffe-Brown's understands of social structure. Describe Parsons' view of social system Analyze Levi-Strauss's Structuralism Describe Symbolic Interactionist Perspective. Describe Frankfurt School of Critical Theory. Explain the concepts of Field and Habitus and its sociological significance.
15	2024-2025	MAJOR-VII	Sociological Research Methods I	Students will be able to describe social research. Able to draw the relationship between research science and sociology. Able to illustrate scientific method. Able to distinguish between positivists and constructionist view on science.

(Gen Ram Chandra) 
 H.O.D.
 Dept of Sociology
 Sadiya College
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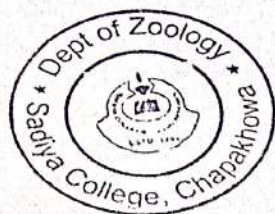
16	2024-2025	MAJOR -VIII	Social Stratification	Define social stratification from sociological understanding Distinguish between the concepts of inequality, difference, hierarchy and equality Reproduce the ideas on social stratification by pioneer sociologist Distinguish between the ideas of Karl Marx and Max Weber on class Define social mobility and its types Explain the function of social mobility in societies Identify caste, race and ethnicity as forms of social stratification
17	2024-2025	MINOR-IV	Economy and Society	Define Economic Sociology Understand the relationship between Economy and Society Conceptualise economic institutions, firms and markets as social systems Define mode of production Explain the meaning of two different schools of thought of Formalism and Substantivism. Focus on the core ideas of formal modern economy and its proponents Understand the meaning of economic mode of production Understand the meaning of domestic mode of production in Sociology Understand the meaning of peasant mode of production

(Geo Ram Chandra)

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Date:

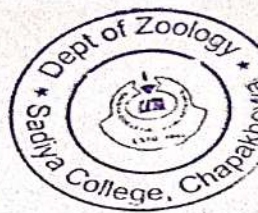


Program Outcome (PO) & Course Outcome (CO) (NEP)



DEPARTMENT OF ZOOLOGY
Sadiya College, Chapakhowa
Dist. - Tinsukia, Assam- 786157

Department of Zoology,
Sadiya College, Chapakhowa

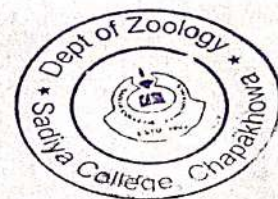


Program Outcomes, Program Specific Outcomes and Course Outcomes of
B. Sc. Zoology (Major), NEP

Program Specific Outcomes

1. Students will acquire complete knowledge of various branches of Zoology as well as of the allied branches of it.
2. Students will be able to understand the rich diversity of the animal kingdom and their ecological as well as evolutionary significances.
3. They will be able to identify common animals found in surroundings with their Zoological nomenclature.
4. Students will be able to analyze the fundamentals of life-sustaining process and design strategies for issues concerning public health and human welfare.
5. Students will acquire basic skills in the observation and study of various aspects of the environment, biological techniques, and experimental skills of scientific investigations.
6. Students will acquire knowledge and skills about various agro based industries like Sericulture, Psiculture, Aquaculture, Pig farming, Poultry, Vermicompost etc.,
7. After completion, students can opt for higher academic studies in the field of Zoology as well as the allied subjects of biological sciences.
8. Various Career opportunities are also there after the completion of the B. Sc. Zoology (Hons.) course in both Public as well as Private sector, viz., Teaching Faculties, Lab. Technicians, Civil Services including Forest Services, and various competitive examinations.

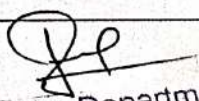
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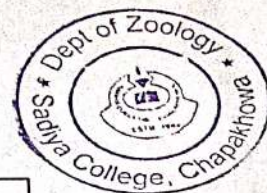
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Sadiya College, Chapakhowa

Course Outcomes of B. Sc. Zoology (Major), NEP

Semester / Course	Paper	Course Outcomes
I	Animal Diversity I	Students will understand the various phyla in animal kingdom and able to classify the different groups of animals.
II	Animal Diversity II	
III	Cell Biology-I	Students will understand the cell structure and functions of cell organelles, analyze cell division and cell cycle mechanisms.
	Comparative Anatomy of Vertebrates	Students will understand the Anatomy of various organs and analyze the structural modifications in anatomy of different vertebrates groups.
IV	Biochemistry and Molecular Biology	Students will be able to identify the various biomolecules and understand their function. Students will understand the cellular processes such as replication, transcription and translation and also the gene expression mechanism.
	Animal physiology	Students will know the physiology of various Life sustaining Systems like Digestion, Respiration, Circulation, & Excretion
	Genetics and Evolutionary biology	Students will learn the basic pattern of inheritance and will be able to evaluate the genetic disorders and mutations. Students will be able to relate evolutionary forces leading to variations and diversification of species and examine the fossil records and Phylogenetic relationships of species
V	Developmental Biology	Students will get insight about various aspects of embryonic developments.
	Animal Behaviour and Chronobiology	Students will learn about various patterns of behavior, Social and Sexual behavior, Chronobiology, Biological Rhythm and Biological Clocks of animals.


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Department of Zoology,
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V	Animal Biotechnology and techniques in biology	Students will learn the principle, practices and application of biotechnology. Students will also learn the various field of biotechnology for application in every field of science like engineering, research, commercialization and academics.
VI	Animal physiology: controlling and Co-Ordinating physiology	Students will learn the functioning of various organ system such as muscular, nervous and blood in vertebrates.
	Animal Ecology and wildlife Management	Students will understand the ecological principles and process and also able to evaluate the essential elements, concept and skills related to wildlife conservation and management.
	Bioinformatic and Biostatistics	Students will learn about the fundamentals of Bioinformatics, Various Biological Databases, Data retrieval systems, Sequence alignment, Structural Bioinformatics and Basic concept of Drug Discovery methods. They will also learn about the fundamental Biostatistics.


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