

Expected Learners' Outcome

2019-2020

L.T.K. College has been imparting UG courses in Arts and Science streams since its inception. This report provides a detail report on expected learners' outcome after the completion of each course of the undergraduate courses (B.A. & B.Sc.)

L.T.K. College

P.O: Azad

North Lakhimpur, Assam

Contents:

(Arts Stream)

1. Assamese

- a. Ability Enhancement Compulsory Course-I (CBCS)
- b. Honours (CBCS)
- c. Major (Non-CBCS)

2. English

- a. Ability Enhancement Compulsory Course-I (CBCS)
- b. Ability Enhancement Compulsory Course-II (CBCS)
- c. Honours (CBCS)
- d. Major (Non-CBCS)

3. Economics

- a. Generic Elective (CBCS)
- b. Honours (CBCS)
- c. Major (Non-CBCS)

4. Education

- a. Generic Elective (CBCS)
- b. Honours (CBCS)
- c. Major (Non-CBCS)

5. Geography

- a. Generic Elective (CBCS)
- b. Honours (CBCS)
- c. Major (Non-CBCS)

6. Home Science

- a. Generic Elective (CBCS)
- b. Honours (CBCS)
- c. Major (Non-CBCS)

7. History

- a. Generic Elective (CBCS)
- b. Honours (CBCS)
- c. Major (Non-CBCS)

8. Philosophy

- a. Generic Elective (CBCS)
- b. Honours (CBCS)
- c. Major (Non-CBCS)

9. Political Science

- a. Generic Elective (CBCS)
- b. Honours (CBCS)
- c. Major (Non-CBCS)

10. Sociology

- a. Generic Elective (CBCS)
- b. Honours (CBCS)
- c. Major (Non-CBCS)

Contents:

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.Sc. 1 st Sem	GE-I BIODIVERSITY (MICROBES, ALGAE, FUNGI, LICHEN AND ARCHEGONIATE)	The objective of this course is to expose the students to different forms of plant life
		GE-II PLANT ECOLOGY AND TAXONOMY	The objective of this course is to expose the students to interaction of plant life with the surroundings and also to identification, classification and nomenclature of plants
		GE-III PLANT ANATOMY AND EMBRYOLOGY	The objective of this course is to expose the students to the types of plant tissues their arrangement and also to plant reproduction

(Science Stream)

1. Botany

- a. Generic Elective (CBCS)
- b. Honours (CBCS)
- c. Major (Non-CBCS)

2. Chemistry

- a. Ability Enhancement Compulsory Course-I (CBCS)
- b. Honours (CBCS)
- c. Major (Non-CBCS)

3. Mathematics

- a. Generic Elective (CBCS)
- b. Honours (CBCS)
- c. Major (Non-CBCS)

4. Physics

- a. Generic Elective (CBCS)
- b. Honours (CBCS)
- c. Major (Non-CBCS)

5. Zoology

- a. Generic Elective (CBCS)
- b. Honours (CBCS)
- c. Major (Non-CBCS)

1 (a) Programme: B.Sc. Generic Elective Course in Botany (CBCS)

1 (a) Programme: B.Sc. Honours Course in Botany (CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.Sc. 1st Sem	MICROBIOLOGY AND PHYCOLOGY (CODE-BC101 THEORY)	The objective of this course is to provide knowledge to the students on various forms of microbes and algae - their characteristics and economic importance.
		MICROBIOLOGY AND PHYCOLOGY (CODE-BC101 PRACTICAL)	
		BIOMOLECULES AND CELL BIOLOGY (CODE- BC 102 THEORY)	The objective of this course is to expose the students on molecular organisations life and also discusses cellular and molecular processes of life.
		BIOMOLECULES AND CELL BIOLOGY (CODE-BC 102 PRACTICAL)	
2	B.Sc. 2 nd Sem	MYCOLOGY AND PHYTOPATHOLOGY (CODE-203 THEORY)	The objective of this course is to expose the students on the fungal world, different fungal diseases; their economic importance etc.
		MYCOLOGY AND PHYTOPATHOLOGY (CODE-203 PRACTICAL)	
		ARCHEGONIATE (CODE-204 THEORY)	The objective of this course is to expose the students on Bryophyte, Gymnosperms and Fossil Plants
		ARCHEGONIATE (CODE-204 PRACTICAL)	
3	B.Sc. 3 rd Sem	ANATOMY OF ANGIOSPERMS (CODE-305 THEORY)	The objective of this course is to expose the students on the structural and anatomical organisations of plant tissues and their development
		ANATOMY OF ANGIOSPERMS (CODE-305 PRACTICAL)	
		ECONOMIC BOTANY (CODE-306 THEORY)	The objective of this course is to expose the students on various economically important plants and plant products
		ECONOMIC BOTANY (CODE-306 PRACTICAL)	
		GENETICS (CODE-307 THEORY)	The objective of this course is to impart knowledge of the principles of heredity and different mechanisms of inheritance
		GENETICS (CODE-307 PRACTICAL)	

(c) Programme: B.Sc. Major Course in Botany (Non-CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.Sc. 4 th Sem	MORPHOLOGY AND TAXONOMY OF ANGIOSPERMS (PAPER CODE:401)	This course will provide fundamentals of angiosperm morphology and classification with special reference to the polygenetic relationship of various taxa.

		PRACTICAL (PAPER CODE: 402)	This course will acquaint the student to describe the plants in simple technical language and identify up to genera with the help of identifying keys.
		CELL BIOLOGY AND MODERN LABORATORY TECHNIQUE (PAPER CODE:403)	This course will provide fundamental knowledge of structural and functional aspects of cell and cell organelles and the tools and techniques used in modern biological study.
		PRACTICAL (PAPER CODE: 404)	This course will acquaint the students with practical knowledge of Cell biology and Modern Laboratory Technique.
2	B.Sc. 5 th Sem	DEVELOPMENT AND REPRODUCTION IN ANGIOSPERM (PAPER CODE:501)	This course will provide fundamental knowledge of structural and fundamental aspects of cell and cell organelles and the tools and techniques used in modern biological study.
		PRACTICAL (PAPER CODE:502)	This course will acquaint the student with the knowledge of Development in Angiosperm and Reproduction in Angiosperm.
		GENETICS & PLANT BREEDING, BIOSTATISTICS (PAPER CODE:503)	This course will acquaint the students with the major philosophical texts from the early modern period to the 20th Century. It will contextualize philosophical terms and frames of reference that would useful for understanding and analysing literary texts.
		PRACTICAL (PAPER CODE:504)	This course will acquaint the student of concept of fixation, staining and squashing/smearing of materials for chromosome preparation. Temporary acetocarmine and aceto-orcein smear preparations of roof tips and flower buds.
		FUNDAMENTAL AND CHEMICAL BIOLOGY (PAPER CODE:505)	This course will acquaint the student with the practical knowledge of Qualitative analysis of secondary metabolites in different plant samples, Quantitative estimation of secondary metabolites in different plant samples etc.
		PRACTICAL (PAPER CODE:506)	This course will acquaint the student with the practical knowledge of Qualitative analysis of secondary metabolites in different plant samples, Quantitative estimation of secondary metabolites in different plant samples etc.
		PLANT ECOLOGY, PHYTOGEOGRAPHY AND EVOLUTION (PAPER CODE:507)	This course will introduce the students with the basic principles and concepts of plant ecology, structure & function of natural plant units, habitat degradation and role of plant on improvement of habitat, conservation ecology, phytogeography & evolution.

		PRACTICAL (PAPER CODE:508)	This course will acquaint the student with the practical knowledge of Plant ecology, Phytogeography etc.
3	B.Sc. 6 th Sem	PLANT PHYSIOLOGY (PAPER CODE-601)	This course will introduce the students with the basic knowledge on major physiological aspects of plants.
		PRACTICAL (PAPER CODE:602)	This course will acquaint the students with practical knowledge of Osmosis in plant tissues, determination of osmotic pressure and suction pressure, root plant tissues etc.
		MOLECULAR BIOLOGY AND IMMUNOLOGY (PAPER CODE-603)	This course will introduce the students with the fundamentals of molecular biology and immunology.
		BIOPHYSICS AND BIOINFORMATION (PAPER CODE:604)	This course will introduce the students with the tools and techniques of physical and computer sciences used in biological study.
		PRACTICAL (PAPER CODE-605)	This course will acquaint the students with the practical knowledge of Molecular biology and immunology and Biophysics and Bioinformatics.
		AGROTECHNOLOGY AND SUSTAINABLE UTILIZATION OF PLANTS (PAPER CODE:606)	This course will provide comprehensive knowledge of usefulness of plant resources for human welfare.
		PRACTICAL (PAPER CODE:607)	This course will acquaint the students with the practical knowledge of Collection of useful plants/plant parts, Determination of protein, fat, oil content of certain materials etc.

1 (a) Programme: B.Sc. Generic Elective Course (CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.Sc. 1 st Sem	CHEMISTRY-GE -101 (Theory) (Atomic Structure, Bonding, General Organic Chemistry and Aliphatic Hydrocarbons)	
		CHEMISTRY-GE -101 (Practical)	
2	B.Sc. 2 nd Sem	CHEMISTRY-GE-201 (Theory) Chemical Energetics, Equilibria and Functional Organic Chemistry	
		CHEMISTRY-GE-201 (Practical)	
3	B.Sc. 3 rd Sem	CHEMISTRY-GE-301 (Theory) Solutions, Phase Equilibrium, Conductance, Electrochemistry and Functional Group Organic Chemistry-II	
		CHEMISTRY-GE-301 (Practical)	

1 (a) Programme: B.Sc. Honours Course in Chemistry (CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.Sc. 1 st Sem	INORGANIC CHEMISTRY (Paper Code-C-101) Theory	<p>Students will gain an understanding of</p> <ul style="list-style-type: none"> i. Sign of wave function, counter boundary and probability diagrams etc. ii. Variations of orbital energy with atomic number. iii. Properties of elements, atomic radii, ionic radii, size effect of ionic bond, solvation energy, covalent character of ionic bond, redox equations, principle involved in volumetric analysis etc. <p>Students will gain an understanding of</p> <ul style="list-style-type: none"> i. Kinetic molecular model of a gas, behaviour of real gases etc ii. Effect of addition of various solute on surface tension and viscosity. Cleansing action of detergents.
		INORGANIC CHEMISTRY (Paper Code-C-101 Lab) Practical	
		PHYSICAL CHEMISTRY (Paper Code-C102) Theory	
		PHYSICAL CHEMISTRY (Paper Code-C-102 Lab) Practical	

			<p>iii. Nature of solid state, elementary idea of symmetry.</p> <p>iv. Idea of solubility and solubility product of sparingly soluble salts.</p>
2	B.Sc. 2 nd Sem	<p>ORGANIC CHEMISTRY (Paper Code-C-201) Theory</p>	<p>Students will gain an understanding of</p> <p>i. Knowledge of basic organic chemistry, definition, classification of stereoisomerism, optical activity, absolute and relative configuration etc.</p> <p>ii. Knowledge of elimination reaction, electrophilic and nucleophilic addition.</p> <p>iii. Relative stability of cyclic hydrocarbon, Bayer's strain theory etc.</p>
		<p>ORGANIC CHEMISTRY (Paper Code-C-201 Lab) Practical</p>	
		<p>PHYSICAL CHEMISTRY (Paper Code-C-202) Theory</p>	<p>Students will gain an understanding of</p> <p>i. The application of mathematical tools to calculate thermodynamic properties</p> <p>ii. The concept of free energy change and spontaneity.</p> <p>iii. Thermodynamics derivation of relation between Gibbs free energy of reaction and reaction quotient.</p> <p>iv. Derive relation between the four colligative properties using chemical potential (Thermodynamics derivation)</p>
		<p>PHYSICAL CHEMISTRY (Paper Code-C-202 Lab) Practical</p>	
3	B.Sc. 3 rd Sem	<p>INORGANIC CHEMISTRY (Paper Code-C-301) Theory</p>	<p>Students will gain an understanding of</p> <p>i. Predict the purification of metal, study of compounds with emphasis on structure, bonding, preparation and properties.</p> <p>ii. Real world applications, shapes etc of noble gas.</p> <p>iii. Structural aspects and applications of inorganic polymer</p>
		<p>INORGANIC CHEMISTRY (Paper Code-C-301 Lab) Practical</p>	
		<p>ORGANIC CHEMISTRY (Paper Code-C-302) Theory</p>	
		<p>ORGANIC CHEMISTRY (Paper Code-C-302 Lab) Practical</p>	
		<p>PHYSICAL CHEMISTRY (Paper Code-C-303) Theory</p>	<p>Students will gain an understanding of</p> <p>i. Types of catalysis, Michaelis – Menten mechanism, mechanism of catalysed reaction at solid state.</p>

		<p align="center">PHYSICAL CHEMISTRY (Paper Code-C-303 Lab) Practical</p>	<p>ii. Steady – state approximation in reaction mechanism.</p> <p>iii. Concept of phases, phase diagrams for systems of solid– liquid equilibria involving eutectic, congruent and incongruent mp., solid solution etc</p>
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(c) Programme: B.Sc. Major Course in Chemistry (Non-CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.Sc. 4 th Sem	PHYSICAL CHEMISTRY-I (Paper Code:401)	This course will acquaint the students with conductance, electro chemical cells and system of variable composition and chemical equilibrium.
		PRACTICAL (Paper Code: 402)	This course will acquaint the students with practical knowledge of the coefficient of viscosity of solutions by Ostwald viscometer. It also helps the student to determine the surface tension of solution by Stalagmometer, preparation of buffer solution etc.
		ORGANIC CHEMISTRY-II (Paper Code:403)	This course will acquaint the student with active methylene compounds, nitrogen containing functional groups, Amino acids and proteins etc.
		PRACTICAL (Paper Code:404)	This course will acquaint the students with practical knowledge of organic preparation, chromatographic separation of mixtures, compounds and Rf value calculation.
2	B.Sc. 5 th Sem	Reading Drama (Paper Code:501)	After the culmination of this course, students shall be acquainted with English drama from Marlowe to Beckett, keeping in mind the cultural contexts of their production and reception.
		Criticism-I (Paper Code:502)	This course will acquaint the students with the major critical texts from the classical period to the neo classical period. It will help the student to contextualize critical terms and frames of reference that would be useful for the understanding and analysis of literary texts.
		Great European Thinkers (Paper Code:503)	This course will acquaint the students with the major philosophical texts from the early modern period to the 20th Century. It will contextualize philosophical terms and frames of reference that would be useful for understanding and analysing literary texts.
		Indian Writing in English (Paper Code:504)	This course will acquaint the students with seminal Indian writing in English texts

			which will help the students to understand the complexities of Indian life and culture as the relevance of Indian writing in English in the contemporary world.
3	B.Sc. 6 th Sem	Criticism-II (Paper Code-601)	This course will acquaint the students with the major critical texts from the Romantic period to the 20th Century. It will help the student to contextualize critical terms and frames of reference that would be useful for the understanding and analysis of literary texts.
		Literature of the USA (Paper Code-602)	This course will acquaint the students with seminal American texts which will help the students to understand the complexities of American life and culture as the relevance of the American ideals to the Indian situation.
		Literature in the Post-colonial world (Paper Code-603)	This course will acquaint the students with the seminal post-colonial novels which will help the student to understand the complex negotiations between the colonizer and the colonized and the transformations in societies and cultures in India and Africa.
		Introduction to Linguistic and Phonetics (Paper Code-604)	This course will introduce the students to some basic concepts associated with language. It will also familiarize the students with the sound system of English and English syntax to stimulate effective communication in English.

1 (a) Programme: B.A. Generic Elective in Economics (CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 1 st Sem	ECHGE1: INTRODUCTORY MICROECONOMICS	This course is designed to expose the students to the basic principles of microeconomic theory. The emphasis will be on thinking like an economist and the course will illustrate how microeconomic concepts can be applied to analyse real-life situations.
2	B.A 2 nd Sem	ECHGE2: INTRODUCTORY MACROECONOMICS	This course aims to introduce the students to the basic concepts of Macroeconomics. Macroeconomics deals with the aggregate economy. This course discusses the preliminary concepts associated with the determination and measurement of aggregate macroeconomic variable like savings, investment, GDP, money, inflation, and the balance of payments.
3	B.A 3 rd Sem	ECHGE3.1: INDIAN ECONOMY	Using appropriate analytical frameworks, this course reviews 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.
		ECHGE3.2; MONEY AND FINANCIAL MARKET	This course exposes students to the theory and functioning of the monetary and financial sectors of the economy. It highlights the organization, structure and role of financial markets and institutions. It also discusses interest rates, monetary management and instruments of monetary control. Financial and banking sector reforms and monetary policy with special reference to India are also covered.
		ECHGE3.3 ENVIRONMENTAL ECONOMICS	This course introduces students to concepts, methods and policy options in managing the environment using tools of economic analysis. This course should be accessible to anyone with an analytical mind and familiarity with basic concepts of economics. Since several environmental problems are caused by economic activity (for instance, carbon emissions, overharvesting of renewable resources and air and water pollution as a by-product of industrial activity), this

			<p>course examines different approaches to adjusting behaviour through economic institutions such as markets and incentives as well as through regulation, etc. It also addresses the economic implications of environmental changes. Conversely, the impact of economic growth on the environment is also addressed under the rubric of sustainable development. Environmental problems and issues from the Indian and international context (especially global warming) are used to illustrate the concepts and methods presented in the course. The course will be useful for students aiming towards careers in the government sector, policy analysis, business, journalism and international organisations.</p>
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1 (a) Programme: B.A. Honours Course in Economics (CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 1st Sem	<p>ECNHC101: INTRODUCTORY MICROECONOMICS</p>	<p>This course is designed to expose the students to the basic principles of microeconomic theory. The emphasis will be on thinking like an economist and the course will illustrate how microeconomic concepts can be applied to analyse real-life situations.</p>
		<p>ECNHC102: MATHEMATICAL METHODS FOR ECONOMICS-I</p>	<p>This is the first of a compulsory two-course sequence. The objective of this sequence is to transmit the body 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.</p>
2	B.A 2 nd Sem	<p>ECNHC201: INTRODUCTORY MACROECONOMICS</p>	<p>This course aims to introduce the students to the basic concepts of Macroeconomics. This course discusses the preliminary concepts associated with the determination and measurement of aggregate macroeconomic variables like savings, investment, GDP, money, inflation and the balance of payments.</p>

		<p style="text-align: center;">ECNHC202: MATHEMATICAL METHODS FOR ECONOMICS-II</p>	<p>This course is the second part of a compulsory two-course sequence. This part is to be taught in Semester II following the first part in Semester I. The objective of this sequence is to transmit the body 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.</p>
3	B.A 3 rd Sem	<p style="text-align: center;">ECNHC301: ESSENTIALS OF MICROECONOMICS</p>	<p>The course is designed to provide a sound training in microeconomic theory to formally analyse the behaviour of individual agents. Since students are already familiar with the quantitative techniques in the previous semesters, mathematical tools are used to facilitate understanding of the basic concepts. This course looks at the behaviour of the consumer and the producer and also covers the behaviour of a competitive firm.</p>
		<p style="text-align: center;">ECNHC302: ESSENTIALS OF MACROECONOMICS</p>	<p>This course introduces the students to formal modelling of a macro-economy in terms of analytical tools. It discusses various alternative theories of output and employment determination in a closed economy in the short run as well as medium run, and the role of policy in this context. It also introduces the students to various theoretical issues related to an open economy.</p>
		<p style="text-align: center;">ECNHC303: STATISTICAL METHODS FOR ECONOMICS</p>	<p>This is a course on statistical methods for economics. It begins with some basic concepts and terminology that are fundamental to statistical analysis and inference. It then develops the notion of probability, followed by probability distributions of discrete and continuous random variables and of joint distributions. This is followed by a discussion on sampling techniques used to collect survey data. The course introduces the notion of sampling distributions that act as a bridge between probability theory and statistical inference. The semester concludes with some topics in statistical inference that include point and interval estimation.</p>

(c) Programme: B.A Major Course in Economics (Non-CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 4 th Sem	MATHEMATICS FOR ECONOMICS (PAPER CODE:401)	After the culmination of this course, students shall be acquainted with some basic mathematical methods that can be applied in economics.
		PUBLIC ECONOMICS-THEORETICAL ISSUES (PAPER CODE: 402)	This course will acquaint the students with some basic theoretical concepts of public finance which will enable them to understand the practical issues.
2	B.A 5 th Sem	DEVELOPMENT ECONOMICS WITH INDIAN PERSPECTIVE-I (PAPER CODE:501)	After the culmination of this course, students shall be acquainted with the measurement of development with the help of theories along with the conceptual issues of poverty and inequalities with Indian perspective.
		PUBLIC ECONOMICS: POLICY ISSUES (PAPER CODE:502)	This course will acquaint the students with the fiscal policies designed for developed and developing economics with a special thrust to the federal system of India.
		HISTORY OF ECONOMIC THOUGHT (PAPER CODE:503)	This course will acquaint the students with the historical developments in the economic thoughts propounded by different schools.
		MONETARY THEORIES AND FINANCIAL MARKETS (PAPER CODE:504)	This course will acquaint the students with some basic concepts relating to monetary analysis and financial marketing with reference to Indian financial market, which will enable the learners to relate the conceptual issues to the real-world situations.
3	B.A 6 th Sem	DEVELOPMENT ECONOMICS WITH INDIAN PERSPECTIVE-II (PAPER CODE-601)	After the culmination of this course, students shall be acquainted with the development issues of Indian Economy. It will also enable the students to understand the development problems of the Northeast India.
		ENVIRONMENTAL ECONOMICS (PAPER CODE-602)	After completing this course, the learner shall be acquainted with the basic concepts of environmental economics along with the solution to the environmental problems.
		INTERNATIONAL ECONOMICS (PAPER CODE-603)	This course will acquaint the students with both real and monetary sides of International Economics. It will also help the students grasp and retain the concepts and thereby to bring excitement of International Economics to the classroom. It will also provide knowledge from traditional to modern, theoretical to analytical developments in International Economics.

		ECONOMIC ISSUES OF ASSAM (PAPER CODE-604)	This course will acquaint the students with the characteristics of the economy of Assam. It will also help the students to know the performance and problems of the primary, secondary and tertiary sectors of Assam.
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1 (a) Programme: B.A. Generic Elective in Education (CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 1 st Sem	(Any one of the two) GEED101: GUIDANCE AND COUNSELLING	On completion of the course, the students will be able to: 1. describe meaning, nature, purpose and scope of guidance and counselling. 2. describe the characteristics and functions of guidance and counselling. 3. state the basic principles of guidance and counselling. 4. explain the types and areas of guidance and counselling. 5. use various tools and techniques of guidance in appropriate context. 6. explain the qualities and role of a counsellor.
		GEED102: VALUE EDUCATION	On completion of the course, the students will be able to: 1. explain the concepts of values and value education. 2. describe the importance of value education in the 21st century. 3. describe the need of values in creating a better world. 4. explain the promotion of value through education.
2	B.A 2 nd Sem	(Any one of the two) GEED201: HUMAN RIGHT EDUCATION	On completion of the course, the students will be able to: 1. explain the meaning, definition, nature, scope, theories and constitutional perspectives of human rights. 2. describe the concept, objectives, principles, need and curriculum, of human rights education. 3. describe methods and activities of teaching human right education. 4. describe the factors promoting human right education. 5. describe the basics of human rights education i.e., societal, political, regionalism and limitations of its 6. explain the role of different agencies of human rights education.
		GEED202: GENDER AND EDUCATION	
3	B.A 3 rd Sem	(Any one of the two) GEED301: INCLUSIVE EDUCATION	On completion of the course, the students will be able to:

			<ol style="list-style-type: none"> 1. explain the concept of special education, integrated education, and inclusive education. 2. discuss the global and national commitments towards the education of children with diverse needs. 3. appreciate the need for promoting inclusive practice and the roles and responsibilities of all concerned personnel. 4. analyse critically the recommendations of various commissions and committees towards teacher preparation for inclusive education. 5. describe the nature of difficulties encountered by children and in preparing conducive teaching learning environment in inclusive schools. 6. identify existing support services for promoting inclusive practice. 7. describe the policy perspectives related to education of socially disadvantaged section in India. 8. describe the schemes and programmes for education of socially disadvantaged groups.
		GEED302: MENTAL HEALTH ISSUES	<p>On completion of the course, the students will be able to:</p> <ol style="list-style-type: none"> 1. explain the need and importance of understanding the concepts of mental health and hygiene in the emerging society. 2. empathize with people having psychological and maladjustment problems. 3. describe the role of different agencies of society and their impacts on the development of an individual's personality. 4. describe the various components of positive psychology and its significance in the teaching learning processes. 5. integrate yoga in their day-to-day lives for holistic health.

1 (a) Programme: B.A. Honours Course in Education (CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
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1	B.A 1st Sem	EDNH101: PHILOSOPHICAL FOUNDATIONS OF EDUCATION	On completion of the course, the students will be able to- 1. describe the modern concept, aims, functions and role of education. 2. describe the role of Philosophy in Education. 3. explain the basic tenants of the given Indian and Western Philosophies and their influence in Education. 4. appraise the contribution of the given philosophers in the domain of education.
		EDNH102: SOCIOLOGICAL FOUNDATIONS OF EDUCATION	On completion of the course, the students will be able to: 1. Explain the concept, approaches and theories of educational sociology. 2. Illustrate Social Aspects, Social Processes and role of Education. 3. Explain the role of Education in Social Change and Development. 4. Describe various Social Groups and their Education 5. Explain different Political Ideologies and their bearings on Education
2	B.A 2 nd Sem	EDNH201: PSYCHOLOGICAL FOUNDATIONS OF EDUCATION	On completion of the course, the students will be able to: 1. Explain the concept, nature, scope and uses of psychology in Education. 2. Explain the influence of growth and development in education. 3. Describe the meaning, concept, variables, types and theories of learning. 4. Discuss the concept and theories of intelligence and creativity. 5. Explain the meaning, concept, factors and theories of personality. 6. Describe the concepts of mental health and mental hygiene, measures of mental health in school.
		EDNH202: EDUCATIONAL ADMINISTRATION AND MANAGEMENT	On completion of the course, learners will be able to- 1. define the concept of Educational Management. 2. describe the types of management and modern trends of educational management. 3. define the concept of educational leadership 4. explain the principles of educational leadership

3	B.A 3 rd Sem	EDNH301: GREAT EDUCATORS AND EDUCATIONAL THOUGHTS	After completion of the Course, the students will be able to- 1. describe the contribution of the given philosophers in the domain of education 2. explain the relevance of the educational thought of the given philosophers
		EDNH302: MEASUREMENT AND EVALUATION IN EDUCATION	On completion of the course, the students will be able to: 1. explain the meaning, nature, scope, need and types of measurement and evaluation in education. 2. describe the meaning of psychological tests, their characteristics and process of construction. 3. describe some specific tools to measure achievement, intelligence, personality and aptitude. 4. describe the meaning and nature of different statistical measures. 5. use statistics in measurement and evaluation in education
		EDNH303: EXPERIMENTAL PSYCHOLOGY AND LABORATORY PRACTICAL	On completion of the course, the students will be able to: 1. explain the concept, scope and need of Experimental psychology. 2. conduct and report of psychological experiments. 3. describe the meaning and nature of memory, Immediate memory, memory span and its related practical. 4. explain the concept of attention, span of attention and its related practical. 5. explain the concept, theories and methods of learning and its related practical. 6. state the concept of personality, different techniques of personality testing and its related practical. 7. state the concept of intelligence, historical background of intelligence testing and its related practical.

(c) Programme: B.A Major Course in Education (Non-CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 4 th Sem	HISTORY OF INDIAN EDUCATION (UPTO 1947) (PAPER CODE:401)	After the culmination of this course, students shall be introduced to the educational heritage of our country. It will provide knowledge on the causes of the social and political changes that took place

			<p>in India in 18th and 19th centuries. It will help the students to understand the impact of socio-political changes of the nationalist movement in India during the early 20th century. It will also help to understand the role of education in the development of an emergent India.</p>
		<p>GREAT EDUCATORS AND EDUCATIONAL THOUGHT (PAPER CODE: 402)</p>	<p>This course will acquaint the students with the development of educational thought. It will enhance the students' awareness on the contribution of educators of different countries to educational theories. It will also help the students to make an in-depth analysis of the various issues and problems of Indian education.</p>
2	B.A 5 th Sem	<p>CHILD PSYCHOLOGY & CHILD GUIDANCE (PAPER CODE:501)</p>	<p>After the culmination of this course, students shall be acquainted with the importance of child psychology and the need of guidance for child development. It will provide an understanding about children and new insight about them. It will develop sensitivity towards the needs and rights of children. It will also help to understand the importance of play in child development.</p>
		<p>EDUCATION IN POST-INDEPENDENT INDIA (PAPER CODE:502)</p>	<p>This course will acquaint the students with the developments of Indian education since independence. It will introduce the students to the educational changes taking place in India since independence. It will also help the students to understand and appreciate the reasons for the recommendations of the different Educational Commissions since independence. It will enable the students to have an in-depth understanding of the causes for various educational movements and its accompanying challenges.</p>
		<p>EDUCATIONAL TECHNOLOGY (PAPER CODE:503)</p>	<p>This course will acquaint the students with the Educational Technology and its uses in the education system. It will introduce the students to the various uses of mass media and their rapidly expanding dimensions. It will orient students towards class-room communication skills. It will also enable the students to use and innovative methods of educational technology in teaching-learning process.</p>
		<p>TECHNIQUES AND METHODOLOGY OF TEACHING (PAPER CODE:504)</p>	<p>After the culmination of this course, students shall be acquainted with the teaching-learning process, lesson plan and audio- visual aids and effective methods of teaching. It will enable the students to</p>

			<p>understand the importance of lesson planning in teaching learning process. It will also acquaint the students with different methods and approaches of teaching. Besides, it will provide knowledge about teaching different subjects.</p>
		<p>PRACTICE TEACHING (PAPER CODE-505)</p>	<p>After the culmination of this course, students shall develop practical knowledge of a few teaching skills through micro-teaching. It will orient the students in classroom teaching through practice teaching. It will also develop the skill of preparing lesson plan for micro and macro teaching.</p>
3	B.A 6 th Sem	<p>LABORATORY PRACTICAL (PAPER CODE-601)</p>	<p>After the culmination of this course, students shall be introduced to experiment psychology. It will teach the students the uses of psychological test and also to learn to report the conduct in psychological laboratory.</p>
		<p>FIELD REPORT (PAPER CODE-602)</p>	<p>After completing this course, the learner shall be acquainted with practical knowledge of field work studies. It will provide knowledge of preparing a report after a field visit. It will also familiarize the students with the changing educational realities of today's society.</p>
		<p>EDUCATIONAL MANAGEMENT (PAPER CODE-603)</p>	<p>After completing this course, the learner shall be acquainted with the concepts of management. It will orient the students towards practices of management in education. It will initiate the students towards concepts of planning and finance. It will also help the students to understand the concepts of educational supervision.</p>
		<p>EDUCATION IN WORLD PERSPECTIVE (PAPER CODE-604)</p>	<p>After completing this course, the learner shall be acquainted with the educational system of their own country. It will also acquaint the students with the concepts of comparative study in this global world. It will help the students to understand the drawbacks of own countries as compared to others. It will also help the students to plan changes in education in the context of global world and help in reforms.</p>
		<p>EMERGING TRENDS IN INDIAN EDUCATION (PAPER CODE-605)</p>	<p>After completing this course, the learner shall be acquainted with the significant trends in Indian education. It will develop awareness among students about various plans and policies regarding the educational set up in India. It will also provide inputs on certain major social and national issues related to educational system in India.</p>

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 1 st Sem	ABILITY ENHANCEMENT COMPULSORY COURSE-I (ENGLISH COMMUNICATION)	It is hoped that after studying this course, students will find a difference in their personal and professional interactions. The questions in the examination will be aimed towards assessing the skills learnt by the students rather than the textual content of the recommended books.
		ABILITY ENHANCEMENT COMPULSORY COURSE-II (ALTERNATIVE ENGLISH)	It is believed that learners, after the culmination of this course, students shall be familiarized with literary genres such as fiction and short stories which will develop the skills necessary for appreciation and interpretation of literature. It will also introduce the students to the difference of American literature, famous Indian writers and India's rich past. Besides, it will introduce the students to different narrative styles adopted by the writer's concern.
			Besides, it will make the student aware of the new trends in the field of modern education in the country, especially the non-formal aspects of Indian Education.

1 (a) Programme: B.A. Ability Enhancement Compulsory Course

1 (a) Programme: B.A. Honours Course in English (CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 1st Sem	INDIAN CLASSICAL LITERATURE (PAPER CODE-10100)	After completing this course, the learners shall be in a position to understand and appreciate the rich Indian Classical literary tradition, including its distinctive aesthetic philosophies. It would provide them with the conceptual resources to make a comparative assessment between the Indian and the Western Classical Tradition, thereby enabling their knowledge and understanding of the two great ancient literary tradition.

		EUROPEAN CLASSICAL LITERATURE (PAPER CODE-10200)	After the completion of this course, the learners shall be in a position to understand the source of Western literary paradigm-formation that was responsible for constituting the great tradition of the western canon and one which govern our critical or comparative touchstone on 'What good literature ought to be.'
2	B.A 2 nd Sem	INDIAN WRITING IN ENGLISH (PAPER CODE-20100)	It is believed that learners, after the culmination of this course, shall be in a better position to appreciate the diversity of customs and traditions in India, would be able to map the intellectual trajectory from pre to post independence period, and get the feel of the advancement that Indian Writers in English are making, for which they are receiving plaudits, both at home as well as abroad.
		BRITISH POETRY AND DRAMA: 14 TH TO 17 TH CENTURIES (PAPER CODE-20200)	After completing this course, the learners would be in a position to determine the influence of the European Renaissance on the works of the Elizabethan authors, including Shakespeare.
3	B.A 3 rd Sem	AMERICAN LITERATURE (PAPER CODE-30100)	It is hoped that learners would get a feel of American literature and they will be able to understand the poetics and politics of a literature characterised both by liberal and reactionary ideals.
		POPULAR LITERATURE (PAPER CODE-30200)	After the completion of this course, it is believed that learners will be in a position to appreciate the presence of a creative space and process that has the potential to affect readers to a degree that high-brow literature cannot achieve due to its propensity to target only a niche audience.
		BRITISH POETRY AND DRAMA: 17 TH TO 18 TH CENTURIES (PAPER CODE-30300)	After the completion of this course, learners will be in a position to understand the ways in which English drama and poetry began to emphasize on the importance of adhering to classical norms and forms.

(c) Programme: B.A Major Course in English (Non-CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 4 th Sem	READING PROSE AND FICTION (PAPER CODE:401)	After the culmination of this course, students shall be acquainted with major essayists, non-fictional prose writers and novelists from Bacon to Jane Austen.
		READING FICTION (PAPER CODE: 402)	This course will acquaint the students with major English novels from Dickens to

			Lawrence, keeping in mind the different socio-political contexts of their origin and reception.
2	B.A 5 th Sem	READING DRAMA (PAPER CODE:501)	After the culmination of this course, students shall be acquainted with English drama from Marlowe to Beckett, keeping in mind the cultural contexts of their production and reception.
		CRITICISM-I (PAPER CODE:502)	This course will acquaint the students with the major critical texts from the classical period to the neo classical period. It will help the student to contextualize critical terms and frames of reference that would be useful for the understanding and analysis of literary texts.
		GREAT EUROPEAN THINKERS (PAPER CODE:503)	This course will acquaint the students with the major philosophical texts from the early modern period to the 20th Century. It will contextualize philosophical terms and frames of reference that would be useful for understanding and analysing literary texts.
		INDIAN WRITING IN ENGLISH (PAPER CODE:504)	This course will acquaint the students with seminal Indian writing in English texts which will help the students to understand the complexities of Indian life and culture as the relevance of Indian writing in English in the contemporary world.
3	B.A 6 th Sem	CRITICISM-II (PAPER CODE-601)	This course will acquaint the students with the major critical texts from the Romantic period to the 20th Century. It will help the student to contextualize critical terms and frames of reference that would be useful for the understanding and analysis of literary texts.
		LITERATURE OF THE USA (PAPER CODE-602)	This course will acquaint the students with seminal American texts which will help the students to understand the complexities of American life and culture as the relevance of the American ideals to the Indian situation.
		LITERATURE IN THE POST-COLONIAL WORLD (PAPER CODE-603)	This course will acquaint the students with the seminal post-colonial novels which will help the student to understand the complex negotiations between the colonizer and the colonized and the transformations in societies and cultures in India and Africa.
		INTRODUCTION TO LINGUISTIC AND PHONETICS (PAPER CODE-604)	This course will introduce the students to some basic concepts associated with language. It will also familiarize the students with the sound system of English and English syntax to stimulate effective communication in English.

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 1 st Sem	GE 1 (6 C) GGRM GE 101AT6: DISASTER MANAGEMENT	The main objective of this paper is to make the students aware about the concepts of hazards, disasters, risk and vulnerability. In this paper an attempt has been made to prepare the students about the Do's and Don't during and post disaster.
		GE 1 GGRM GE 101BT6: GEOGRAPHY OF TOURISM	The main objective of this paper is to make the students aware about the scope and nature of tourism. The students will also learn about the impact of tourism in the economy, environment and society.
2	B.A 2 nd Sem	GE 2 (6 C) GGRM GE 201AT6: SPATIAL INFORMATION TECHNOLOGY	The main objective of this paper is to enlightened the students about the application of various spatial information technologies and the data used for spatial information.
		GE 2 GGRM GE201BT6: REGIONAL DEVELOPMENT	The main objective of this paper is to introduce the student about the basic of regions and the need of regional planning in India. The students will also learn about the strategies and models used for regional planning.
3	B.A 3 rd Sem	GE 3 (6 C) GGRM GE 301AT6: CLIMATE CHANGE: VULNERABILITY AND ADAPTATION	The main objective of this paper is to make the students understand climate change and the factors responsible for such changes. The students will also learn about the various negative impact of climate change on flora and fauna and its mitigations.
		GE 3 GGRM GE301BT6: RURAL DEVELOPMENT	The main objective of this paper is to make the students understand meaning of rural development and the impact of rural economies on the economy of the country.

1 (a) Programme: B.A. Generic Elective Course in Geography (CBCS)

1 (a) Programme: B.A. Honours Course in Geography (CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
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1	B.A 1st Sem	<p>GGRM 101T4: GEOMORPHOLOGY AND BIO GEOGRAPHY (THEORY)</p>	<p>The main objective of this paper is to make the students comprehend the various processes responsible for the development of diverse landforms on the earth surface. The candidate will also learn how the natural surrounding and human activities are responsible for the distribution of plants and animals.</p>
		<p>GGRM 101P2: GEOMORPHIC TECHNIQUES (PRACTICAL)</p>	<p>The main objective of this paper is to make the students understand the various morphometric techniques used in drainage analysis. The students will also about the various slope analysis techniques and uses of different types of scale.</p>
		<p>GGRM 102T4 CLIMATOLOGY (THEORY)</p>	<p>The main objective of this paper is to make the students aware of the composition of atmosphere and various climatic processes. The students will also learn about various factors responsible for the climatic disturbances.</p>
		<p>GGRM 102P2: PRACTICALS BASED ON CLIMATIC DATA (PRACTICAL)</p>	<p>The main objective of this paper is to make the students gain knowledge of the various weather symbols and to prepare graphs based on climatic data. The students will also find out the variability in the distribution of rainfall and the factors responsible for such variation in the pattern of rainfall.</p>
2	B.A 2 nd Sem	<p>GGRM201T6: HUMAN GEOGRAPHY (THEORY)</p>	<p>The objective of this paper is to introduce the major themes of human geography and its importance in present days. The students will also learn about population growth and factors responsible for uneven distribution of population in the world. The student will also gain knowledge about the population resource relationship and various types of settlement pattern.</p>
		<p>GGRM 202T4: GEOGRAPHY OF INDIA (THEORY)</p>	<p>The objective of this paper is to make the students familiar with the various aspects of India. The students will learn about the physical, anthropogenic and economic diversity of India and the factors responsible for such diversities.</p>
		<p>GGRM 202P2: PRACTICAL ON THEMATIC CARTOGRAPHY (PRACTICAL)</p>	<p>The main objective of this paper is to make the students aware of the various application of thematic mapping and shape index analysis.</p>
3	B.A 3 rd Sem	<p>GGRM 301T4: CARTOGRAPHY (THEORY)</p>	<p>The main objective of this paper is to make the students aware about the history of map projection and uses of different types of map projection. An attempt is also made to</p>

			enlighten the students about the various surveying methods and the instrument used in it.
		GGRM 302P2: CARTOGRAPHIC TECHNIQUES (PRACTICAL)	The main objective of this paper is to enlighten the students with the different types of map projection and its uses.
		GGRM302T6: REGIONAL GEOGRAPHY OF WORLD (THEORY)	The main objective of this course to develop understanding of the learner about climate, soil and topography in different continents of the world. the course also familiarize learner with industrialization and population distribution in developed, developing and underdeveloped nations of the world.
		GGRM 303T6: STATISTICAL METHODS IN GEOGRAPHY (THEORY)	The main objective of this paper is to make the students aware about the various statistical techniques used in geographical study.

(c) Programme: B.A Major Course in Geography (Non-CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 4 th Sem	Reading Prose and Fiction (Paper Code:401)	After the culmination of this course, students shall be acquainted with major essayists, non-fictional prose writers and novelists from Bacon to Jane Austen.
		Reading fiction (Paper Code: 402)	This course will acquaint the students with major English novels from Dickens to Lawrence, keeping in mind the different socio-political contexts of their origin and reception.
2	B.A 5 th Sem	Reading Drama (Paper Code:501)	After the culmination of this course, students shall be acquainted with English drama from Marlowe to Beckett, keeping in mind the cultural contexts of their production and reception.
		Criticism-I (Paper Code:502)	This course will acquaint the students with the major critical texts from the classical period to the neo classical period. It will help the student to contextualize critical terms and frames of reference that would be useful for the understanding and analysis of literary texts.
		Great European Thinkers (Paper Code:503)	This course will acquaint the students with the major philosophical texts from the early modern period to the 20th Century. It will contextualize philosophical terms and frames of reference that would be useful for understanding and analysing literary texts.

		Indian Writing in English (Paper Code:504)	This course will acquaint the students with seminal Indian writing in English texts which will help the students to understand the complexities of Indian life and culture as the relevance of Indian writing in English in the contemporary world.
3	B.A 6 th Sem	Criticism-II (Paper Code-601)	This course will acquaint the students with the major critical texts from the Romantic period to the 20th Century. It will help the student to contextualize critical terms and frames of reference that would useful for the understanding and analysis of literary texts.
		Literature of the USA (Paper Code-602)	This course will acquaint the students with seminal American texts which will help the students to understand the complexities of American life and culture as the relevance of the American ideals to the Indian situation.
		Literature in the Post-colonial world (Paper Code-603)	This course will acquaint the students with the seminal post-colonial novels which will help the student to understand the complex negotiations between the colonizer and the colonized and the transformations in societies and cultures in India and Africa.
		Introduction to Linguistic and Phonetics (Paper Code-604)	This course will introduce the students to some basic concepts associated with language. It will also familiarize the students with the sound system of English and English syntax to stimulate effective communication in English.

1 (a) Programme: B.A. Generic Elective in History (CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 1 st Sem	HISTORY OF ASSAM:1228-1826 COURSE CODE: HISGE-1	The objective of this paper is to give a general outline of the history of Assam from the 13th century to the occupation of Assam by the English East India Company in the first quarter of the 19th century. It aims to acquaint the students with major stages of developments in the political, social and cultural history of the state during the most important formative period.
2	B.A 2 nd Sem	HISTORY OF INDIA FROM THE EARLIEST TIME TO 1526	The objective of this paper is to acquaint the students with the general outline of the history of India from the known earliest times to the coming of the Mughals to India in the first quarter of the 16th century. It is aimed at giving them a comprehensive idea of the developments in all spheres of life during this period.
3	B.A 3 rd Sem		

1 (a) Programme: B.A. Honours Course in History (CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 1st Sem	HISTORY OF INDIA-I (PAPER CODE-HISHC101)	The objective of this course is to analyse the various source materials for the reconstruction of Ancient Indian History and the approaches of historical reconstruction. The students will be acquainted the various ancient cultures, the technological, economic, political and religious development of the period concerned.
		SOCIAL FORMATIONS AND CULTURAL PATTERNS OF THE ANCIENT WORLD (PAPER CODE- HISHC102)	The students will be acquainted with the evolution of humankind, the beginning of food production, the Bronze Age., advent of iron, the slave society in ancient Greece, the economy and the Political culture of the ancient Greece.
2	B.A 2 nd Sem	HISTORY OF INDIA-II (PAPER CODE- HISHC103)	(i) The objective of this course is to acquaints the students with agrarian economy, the growth of urban centres in northern and central India and the Deccan as well as craft production, trade routes and coinage (ii) Process of state formation and the Mauryan and post-Mauryan plities with special reference to the Kushnas, Satavahanas and Gana-Sanghas. (iii) Land

			grants, land rights and peasantry, urban decline and religious traditions of early India
		SOCIAL FORMATIONS AND CULTURAL PATTERNS OF THE MEDIEVAL WORLD (PAPER CODE-HISHC104)	(i) The learners will be acquainted with the Roman Empire, slave society, the cultural and trade. (ii) The learners will be acquainted with the crisis and disintegration of the Roman Empire (iii) The learners will be exposed to Economic development in Europe from 7th to 14th centuries covering production, technological developments, growth of towns and trade and feudal crisis
3	B.A 3 rd Sem	HISTORY OF INDIA-III C.750-1206 (PAPER CODE-HISHC105)	It is hoped that learners would get a feel of American literature and they will be able to understand the poetics and politics of a literature characterised both by liberal and reactionary ideals.
		RISE OF THE MODERN WEST-I (PAPER CODE-HISHC106)	After the completion of this course, it is believed that learners will be in a position to appreciate the presence of a creative space and process that has the potential to affect readers to a degree that high-brow literature cannot achieve due to its propensity to target only a niche audience.
		HISTORY OF INDIA-IV C.1206-1550 (PAPER CODE-HISHC102)	After the completion of this course, learners will be in a position to understand the ways in which English drama and poetry began to emphasize on the importance of adhering to classical norms and forms.

(c) Programme: B.A Major Course in History (Non-CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 4 th Sem	HISTORY OF INDIA (FROM THE EARLIEST TIMES TO 1200 A.D) (PAPER CODE:401)	After the culmination of this course, students shall be acquainted with the emergence of state system in North India, the development of imperial state structure, the state formation in the Deccan and in South India in the early period. It will also provide knowledge of the changes and transformations in policy, economy and society in the early period and the cultural interaction of early India with the Southeast Asian Countries.
		HISTORY OF INDIA (FROM 1200 – 1750 A.D) (PAPER CODE: 402)	This course will acquaint the students with political development in India between 1200-1750. It will also provide with the understanding of the states in Medieval Times, Administrative apparatus

			and society, economy and culture of India in Pre- Modern Period.
2	B.A 5 th Sem	HISTORY OF INDIA (1750 - 1947 A.D.) (PAPER CODE:501)	After the culmination of this course, students shall be acquainted with the major factors that led to the establishment and consolidation of the British rule in India. It will also provide knowledge on the process of the growth of nationalist movement, which ultimately led to the end of the British colonial rule in the country.
		HISTORY OF EUROPE (1453 - 1815 A.D.) (PAPER CODE:502)	This course will acquaint the students with the major trends and developments that took place in Europe which ushered in the Modern Age.
		HISTORY OF EUROPE (1815 - 1945 A.D.) (PAPER CODE:503)	This course will acquaint the students with the major political developments in Europe from 1815 to 1945. It will also provide understanding of the courses of transition of the continent from nation states to the major colonial powers.
		TOURISM IN NORTHEAST INDIA; HISTORICAL DIMENSIONS (PAPER CODE:504)	This course will acquaint the students with an idea about Tourism in North-East India with special reference to the historical monuments and places of the North-eastern region of the country as heritage of the nation. It will also acquaint them with the growing vocation of tourism as an industry and the applicability of historical knowledge for its growth.
3	B.A 6 th Sem	HISTORY OF ECOLOGY AND ENVIRONMENT IN INDIA (PAPER CODE-601)	After the culmination of this course, students shall be acquainted with the new discipline of ecological and environmental history. It intends to familiarize them with the relation between ecology and human civilization with particular reference to post independence India. It also attempts to bring the pupils to the understanding of the social and economic conflicts emerging due to environmental factors.
		WOMEN IN INDIAN HISTORY (PAPER CODE-602)	After completing this course, the learner shall be in a position to have a general idea of the Feminist Movement, the key concepts in women's studies as well as sources for reconstructions of Women's History. It will also describe the status of Women in Indian Society during the Vedic and Medieval period. Further, the Reform Movement as well as the role of women in India's Freedom Struggle will also be dealt with.
		WORLD REVOLUTIONS (PAPER CODE-603)	This course will acquaint the students to the significant historical changes in the socio-

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 1 st Sem	GE 1101: HUMAN NUTRITION (THEORY)	<p>Upon completion of this course the student should be able to -</p> <ul style="list-style-type: none"> • Understand the physiological, psychological and social functions of food. • Gain knowledge on deficiency and excess consumption of nutrients on health. • Acquaint with nutrition during life cycle.
		GE 1102: HUMAN NUTRITION (PRACTICAL)	
2	B.A 2 nd Sem	GE 1103: CARE AND WELL-BEING IN HUMAN DEVELOPMENT (THEORY)	<p>Upon completion of this course the student should be able to -</p> <ul style="list-style-type: none"> • Acquaint of basic concept on vulnerable periods in life. • Gain knowledge regarding care and well-being at different stages of life. • Understand about policies, services and programs for well-being of human life.
		GE 1104: CARE AND WELL-BEING IN HUMAN DEVELOPMENT (PRACTICAL)	
3	B.A 3 rd Sem	GE 1105: GENDER AND SOCIAL JUSTICE (THEORY)	<p>Upon completion of this course the student should be able to -</p> <ul style="list-style-type: none"> • Enable to understand the gender issues. • Know the gender laws, media and perpetuation of gender stereotypes. • Know the policies & programs for female children and women.
		GE 1106: GENDER AND SOCIAL JUSTICE (PRACTICAL)	
			political and economic life in the world beginning with the 17th century European enlightenment to the coming of Globalization.
		HISTORY OF SCIENCE AND TECHNOLOGY IN INDIA (PAPER CODE-604)	This course will acquaint the students with the developments in Indian Science and technology since early times in order to create in them an understanding of the country's contributions towards the growth of scientific research and technological developments in the world.

1 (a) Programme: B.A. Generic Elective Course in Home Science (CBCS)

1 (a) Programme: B.A. Honours Course in Home Science (CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 1st Sem	CC 1101: HUMAN DEVELOPMENT I: THE CHILDHOOD YEARS (THEORY)	Upon completion of this course the student should be able to – <ul style="list-style-type: none"> • Understand the History and nature of Human development. • Gain knowledge on different domains of growth and development at different age level (from Conception to Childhood)
		CC 1102: HUMAN DEVELOPMENT I: THE CHILDHOOD YEARS (PRACTICAL)	
		CC 1103: FOOD AND NUTRITION (THEORY) CC 1104: FOOD AND NUTRITION (PRACTICAL)	Upon completion of this course the student should be able to – <ul style="list-style-type: none"> • Understand the functions of foods and the role of various nutrients, their requirements and effect of deficiency and excess. • Acquaint with the different methods of cooking and their advantages and disadvantages. • Gain knowledge about the nutrient losses in cooking.
2	B.A 2 nd Sem	CC 2101: RESOURCE MANAGEMENT (THEORY)	Upon completion of this course the student should be able to – <ul style="list-style-type: none"> • Know the importance of wise use of resources in order to achieve goal. • Develop an appreciation of role of successful financial management in satisfying family living.
		CC 2102: RESOURCE MANAGEMENT (PRACTICAL)	
		CC 2103: DYNAMICS OF COMMUNICATION AND EXTENSION (THEORY)	Upon completion of this course the student should be able to – <ul style="list-style-type: none"> • Acquaint with different extension programmes. • Understand the process of organizing people for their own development. • Gain the knowledge on communication, extension and development.
		CC 2104: DYNAMICS OF COMMUNICATION AND EXTENSION (PRACTICAL)	
3	B.A 3 rd Sem	CC 3101: INTRODUCTION TO TEXTILES (THEORY)	Upon completion of this course the student should be able to – <ul style="list-style-type: none"> • Gain knowledge regarding clothing. • Acquaint with the different textiles and their performances. • Recognize their true potential and develop their aptitude in their area of expertise.
		CC 3102: INTRODUCTION TO TEXTILES (PRACTICAL)	

		CC 3103: COMMUNICATION SYSTEMS AND MASS MEDIA (THEORY)	Upon completion of this course the student should be able to – <ul style="list-style-type: none"> • Gain knowledge regarding communication systems. • Understand concept, significance, functions and elements of mass communication.
		CC 3104: COMMUNICATION SYSTEMS AND MASS MEDIA (PRACTICAL)	
		CC 3105: PERSONAL FINANCE & CONSUMER STUDIES (THEORY)	Upon completion of this course the student should be able to – <ul style="list-style-type: none"> • Develop an appreciation of role of successful financial management in satisfying family living • Gain knowledge on consumer education, consumer rights and responsibilities and consumer problems in India.
		CC 3106: PERSONAL FINANCE & CONSUMER STUDIES (PRACTICAL)	

(c) Programme: B.A Major Course in Home Science (Non-CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 4 th Sem	FOOD AND NUTRITION (THEORY) (PAPER CODE:401)	After the culmination of this course, students shall be acquainted with the functions and sources of nutrients. It will also impart knowledge about effect of cooking and preservation on various nutrients.
		FOOD AND NUTRITION (PRACTICAL) (PAPER CODE:402)	This course will acquaint the students with the practical knowledge of weights and their equivalent measures. It will also enhance their knowledge of common terms used in cooking.
		APPLIED TEXTILE DESIGNING (THEORY) (PAPER CODE: 403)	After the culmination of this course, students shall be acquainted with the knowledge regarding Design & mode of textile production and textile designing, the basic principles of dyeing and printing. It will also provide knowledge about traditional Indian woven textile and costumes and traditional Indian embroidered textiles.
		APPLIED TEXTILE DESIGNING (PRACTICAL) (PAPER CODE:404)	This course will acquaint the students with the knowledge of structural design and decorative design, naturalistic, geometrical and stylized motif, enlarging and reducing a motif, placement of design/motif. It will also provide knowledge about Indian traditional embroidery, dyeing etc.

2	B.A 5 th Sem	FAMILY NUTRITION (PAPER CODE:501)	After the culmination of this course, students shall be acquainted with the understanding the functions and sources of nutrients. It will also provide knowledge on factors affecting meal planning, balanced diet.
		DIETETICS AND DIETARY MANAGEMENT (PAPER CODE:502)	This course will acquaint the students with the knowledge of dietary consultancy in various settings. It will enable the students to understand the responsibilities of Dietician and also enable the students to plan and prepare therapeutic diet.
		FAMILY RESOURCE MANAGEMENT (PAPER CODE:503)	This course will enable the students to develop an appreciation of role of successful financial management in satisfying family living.
		PRACTICAL (PAPER CODE:504)	This course will enhance the students' practical knowledge on family nutrition, Dietetics and dietary management and House planning and Resource Management.
3	B.A 6 th Sem	FAMILY CLOTHING AND CONSTRUCTION (PAPER CODE-601)	After the culmination of this course, students shall be acquainted with the knowledge regarding the factors that affect making clothes for the family and from the stand point of fabric, activity, growth and development. It also enables the students to develop skills in dress making and also makes the students aware of consumer problems in textiles and clothing.
		LIFE SPAN DEVELOPMENT AND CHILDREN WITH SPECIAL NEEDS (PAPER CODE-602)	After completing this course, the learner shall be in a position to appreciate the special needs of children with differently disable and disorders. It will provide insights into the causes of disability and disorders in children and into their prevention and treatment.
		HOME SCIENCE EXTENSION AND EDUCATION (PAPER CODE-603)	This course will enable the students to the understanding the process of organizing people for their development. It will acquaint the students with different extension programmes. It will also enable the students to be sensitive to the educational needs of adults and children from low socio-economic groups.
		PRACTICAL (PAPER CODE-604)	This course will enhance the students' practical knowledge on Home Science Extension and Education, Family Clothing Construction and life span development and children with special needs.

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A/B.Sc. 1 st Sem	GE-1.1 DIFFERENTIAL CALCULUS	Students will be able to <ul style="list-style-type: none"> • differentiate functions • find tangent normal, curvature, asymptotes etc.
		GE-1.2 OBJECT ORIENTED PROGRAMMING IN C++	After going through this course, the students will be able to <ul style="list-style-type: none"> • Write C-programmes to solve Mathematical problems. • Design algorithms to solve problems.
		GE-1.3 FINITE ELEMENT METHODS	Students will be able to <ul style="list-style-type: none"> • Describe finite element methods • Differential equations using finite element methods
2	B.A/B.Sc. 2 nd Sem	GE-2.1 DIFFERENTIAL EQUATION	Students will be able to describe various methods for solving differential equations.
		GE-2.2 ECONOMETRICS	After going through this course, the students should be able to design models and solve problems related to Economic issues.
3	B.A/B.Sc. 3 rd Sem	GE-3.1 REAL ANALYSIS	After going through this course, the students will be able to <ul style="list-style-type: none"> • Analyse the properties of the number line • Describe various analytical properties of the real number system
		GE3.2 CRYPTOGRAPHY AND NETWORK SECURITY	After going through this course, the students will be able to <ul style="list-style-type: none"> • Discuss the principles of Cryptography • Explain various ways of attacks in complex networks. • Explain the structure and organization of the complex network.
		GE 3.3 INFORMATION SECURITY	After going through this course, the students will be able to <ul style="list-style-type: none"> • Describe security issues and data integrity

1 (a) Programme: B.A. Generic Elective Course in Mathematics (CBCS)

1 (a) Programme: B.A. Honours Course in Mathematics (CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A/B.Sc. 1 st Sem	CALCULUS (PAPER CODE-C1.1)	After going through this course, the students will be able to

			<ul style="list-style-type: none"> • Apply Calculus in real life problems • Formulate mathematical models
		ALGEBRA (PAPER CODE-C1.2)	<p>After going through this course, the students will be able to</p> <ul style="list-style-type: none"> • Describe various algebraic structures on sets • Identify the algebraic structures present in different branches of Sciences
2	B.A/B.Sc. 2 nd Sem	REAL ANALYSIS (PAPER CODE-C2.1)	<p>After going through this course, the students will be able to</p> <ul style="list-style-type: none"> • Identify the properties of the number system. • Describe various analytical properties of the real number system.
		DIFFERENTIAL EQUATIONS (PAPER CODE-C2.1)	<p>After going through this course, the students will be able to</p> <ul style="list-style-type: none"> • Use the techniques to solve differential equations. • Apply these techniques in various mathematical models used in real life problems.
3	B.A/B.Sc. 3 rd Sem	THEORY OF REAL FUNCTIONS (PAPER CODE-C3.1)	<p>After going through this course, the students will be able to</p> <ul style="list-style-type: none"> • Discuss limit, continuity and differentiability of real valued functions • Expand functions in series and different form of remainders
		GROUP THEORY-I (PAPER CODE-C3.2)	<p>After going through this course, the students will be able to</p> <ul style="list-style-type: none"> • Describe various group structures on sets. • Identify the group structures present in different branches of sciences.
		PDE AND SYSTEMS OF ODE (PAPER CODE-C3.3)	<p>After going through this course, the students will be able to</p> <ul style="list-style-type: none"> • make mathematical formulations and their solutions of various physical problems; • design mathematical models used in heat, wave. • Describe the Laplace equation and their solutions.

(c) Programme: B.A Major Course in Mathematics (Non-CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A/B.Sc. 4 th Sem	(A) Computer Programming (Paper Code:401)	This course will provide the students with the knowledge to formulate simple programming for numerical evaluation of computational problems. By computer laboratory the students will be exposed to a
		(B) Computer Lab	

			hand on experience on various Mathematical Software.
		(A) Linear Programming Problem (B) Analysis-II (Paper Code: 402)	This course will acquaint the students with the Mathematical knowledge to determine the linear programming problems of Operational Research and also to solve those using LPP techniques. Besides, students will be exposed to the further analytical aspects of Mathematical concepts.
2	B.A/B.Sc. 5 th Sem	Reading Drama (Paper Code:501)	After the culmination of this course, students shall be acquainted with English drama from Marlowe to Beckett, keeping in mind the cultural contexts of their production and reception.
		Criticism-I (Paper Code:502)	This course will acquaint the students with the major critical texts from the classical period to the neo classical period. It will help the student to contextualize critical terms and frames of reference that would be useful for the understanding and analysis of literary texts.
		Great European Thinkers (Paper Code:503)	This course will acquaint the students with the major philosophical texts from the early modern period to the 20th Century. It will contextualize philosophical terms and frames of reference that would be useful for understanding and analysing literary texts.
		Indian Writing in English (Paper Code:504)	This course will acquaint the students with seminal Indian writing in English texts which will help the students to understand the complexities of Indian life and culture as the relevance of Indian writing in English in the contemporary world.
3	B.A/B.Sc. 6 th Sem	Criticism-II (Paper Code-601)	This course will acquaint the students with the major critical texts from the Romantic period to the 20th Century. It will help the student to contextualize critical terms and frames of reference that would be useful for the understanding and analysis of literary texts.
		Literature of the USA (Paper Code-602)	This course will acquaint the students with seminal American texts which will help the students to understand the complexities of American life and culture as the relevance of the American ideals to the Indian situation.
		Literature in the Post-colonial world (Paper Code-603)	This course will acquaint the students with the seminal post-colonial novels which will help the student to understand the complex negotiations between the colonizer and the

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 1 st Sem	GE-1: INTRODUCTION TO PHILOSOPHY	This paper attempts to acquaint the students with basic ideas of philosophy concerning theories and categories of knowledge and truth.
2	B.A 2 nd Sem	GE-2: INTRODUCTION TO LOGIC	This paper attempts to make the students familiar with the basic ideas of Aristotelian and Symbolic logic.
3	B.A 3 rd Sem	E-3: FUNDAMENTALS OF INDIAN PHILOSOPHY	This paper intends to acquaint the students with the basic problems of Epistemology and Metaphysics in Classical Indian Philosophy.
			colonized and the transformations in societies and cultures in India and Africa.
		Introduction to Linguistic and Phonetics (Paper Code-604)	This course will introduce the students to some basic concepts associated with language. It will also familiarize the students with the sound system of English and English syntax to stimulate effective communication in English.

1 (a) Programme: B.A. Generic Elective Course in Philosophy (CBCS)

1 (a) Programme: B.A. Honours Course in Philosophy (CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 1st Sem	C 1: INDIAN PHILOSOPHY	This paper intends to acquaint the students with the basic problems of epistemology and metaphysics in Classical Indian Philosophy.
		C 2: LOGIC	This paper aims at acquainting the students with logical reasoning and testing of them in Aristotelian and Modern Symbolic Logic
2	B.A 2 nd Sem	C3: ANCIENT GREEK PHILOSOPHY	This paper attempts to acquaint the students with basic ideas of philosophy concerning theories and categories of knowledge and truth.
		C4: INDIAN LOGIC	This paper attempts to acquaint students with the development of critical understanding of Indian Logic.
3	B.A 3 rd Sem	C5: MODERN WESTERN PHILOSOPHY	This paper attempts to introduce students with the problems of Modern Western

			Philosophy and to develop systematic and critical understanding.
		C6: INDIAN ETHICS	This paper intends to acquaint students with the basic ethical concepts of Indian Philosophy and develop critical thinking.
		C7: WESTERN ETHICS	This paper intends to introduce students with different ethical concepts of Western Philosophy and to develop critical understanding.

1 (a) Programme: B.Sc. Generic Elective Course in Physics (CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.Sc. 1 st Sem	GE-1 MECHANICS (THEORY)	<p>At the completion of this course, a student will be able to</p> <ol style="list-style-type: none"> 1. Understand the basics of vector algebra and the techniques of solving ordinary differential equations. 2. Understand the basic components of mechanics- e.g., motion, force and torque, mass and moment of inertia, linear and angular momenta, kinetic energy and potential energy etc. and the conservation theorems. 3. Study the mechanics of gravitational systems and simple harmonic motion. 4. Study the elastic behaviour of materials. 5. Realize the idea of frame of reference and its implications in the study of special relativity.
		GE-1 MECHANICS (THEORY)	
2	B.Sc. 2 nd Sem	GE-2 ELECTRICITY AND MAGNETISM (THEORY)	<p>At the completion of this course, a student will be able to:</p> <ol style="list-style-type: none"> 1. Understand basic knowledge of electricity and magnetism. 2. Understand basic knowledge of electrical and magnetic properties of matter in brief. 3. Understand the basic knowledge of the effect of electric field on magnetic field and the effect of magnetic field on current. 4. Understand the basic principle of the electrical circuit (AC) circuit and electrical networking. 5. Develop the basic theoretical as well as experimental skill on electrical networking.
		GE-2 ELECTRICITY AND MAGNETISM (PRACTICAL)	
3	B.Sc. 3 rd Sem	GE-3 THERMAL PHYSICS AND STATISTICAL MECHANICS (THEORY)	<p>At the completion of this course, a student will be able to</p> <ol style="list-style-type: none"> 1. Develop the working knowledge of the laws and methods of thermodynamics and elementary statistical mechanics. 2. Provide insight to the postulates of Statistical Mechanics and statistical interpretation of thermodynamics
		GE-3 THERMAL PHYSICS AND STATISTICAL MECHANICS (PRACTICAL)	

			<p>3. Understand the laws of radiation and acquire knowledge for their applications in various disciplines in Physics, Chemistry, Biology, Earth and Atmospheric Sciences.</p> <p>4. Develop application-oriented knowledge on laws of statistical mechanics in selected problems</p> <p>5. Use the methodologies, conventions and tools of thermal and statistical physics to test and communicate ideas and explanation</p>
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1 (a) Programme: B.Sc. Honours Course in Physics (CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.Sc. 1st Sem	C-I MATHEMATICAL PHYSICS – I (THEORY)	<p>At the completion of this course, a student will be able to</p> <p>1. Write a problem in Physics in the language of Mathematics.</p> <p>2. Identify a range of diverse mathematical techniques to formulate and solve a problem in basic Physics.</p> <p>3. Analyse some of the basic mathematical concepts and methods.</p> <p>4. Apply the knowledge and understanding of these mathematical methods to solve problems in a number of elementary branches of Physics like mechanics, electromagnetic theory, statistical Physics, thermal Physics etc.</p>
		C-I MATHEMATICAL PHYSICS – I (PRACTICAL)	<p>5. Learn computer programming and numerical analysis and know its role in solving problems in Physics.</p> <p>6. Construct a problem in Physics computationally.</p>
		C-II MECHANICS (THEORY)	<p>At the completion of this course, a student will be able to</p> <p>1. Understand the basic concepts and ideas in mechanics- e.g., motion, force and torque, mass and moment of inertia, linear and angular momentum, kinetic energy and potential energy etc. by parallel studies of linear dynamics and rotational dynamics.</p> <p>2. Understand the basic conservation laws by studying them in various mechanical systems including collisions, oscillations, gravitational systems etc.</p>
		C-II MECHANICS	

		(PRACTICAL)	<p>3. Analyse simple harmonic oscillator in detail</p> <p>4. Study planetary motions as a central force problem.</p> <p>5. Understand the concept of frame of reference, importance of relative transformations and invariance of laws of Physics.</p> <p>6. Realize the consequences of non-inertial frame in our real physical world.</p> <p>7. Know about the peculiar phenomena of special relativity which are not seen in Newtonian relativity and to understand the concept of space-time.</p>
2	B.Sc. 2 nd Sem	C-III ELECTRICITY AND MAGNETISM (THEORY)	<p>At the completion of this course, a student will be able to:</p> <p>1. Gain basic knowledge of electricity and magnetism.</p> <p>2. Understand the electrical and magnetic properties of matter in brief.</p> <p>3. Understand the effect of electric field on magnetic field and the effect of magnetic field on current.</p>
		C-III ELECTRICITY AND MAGNETISM (THEORY)	<p>4. Understand the basic principle of the electrical circuit (AC) circuit and electrical networking.</p> <p>5. Acquire the basic theoretical as well as experimental skill on electrical networking.</p>
		C-IV WAVES AND OPTICS (THEORY)	<p>At the completion of this course, a student will be able to</p> <p>1. Learn the basics of wave motion.</p> <p>2. Know about the behaviour of light due to its wave nature.</p> <p>3. Identify and understand different phenomena due to the interaction of light with light and matter.</p>
		C-IV WAVES AND OPTICS (PRACTICAL)	<p>4. Analyse some of the fundamental laws and principles of light which is used in many important optical instruments.</p>
3	B.Sc. 3 rd Sem	C-V MATHEMATICAL PHYSICS – II (THEORY)	<p>At the completion of this course, a student will be able to</p> <p>1. Write a problem in Physics (slightly more advanced than those in Mathematical Physics I) in the language of Mathematics.</p>
		C-V MATHEMATICAL PHYSICS – II (PRACTICAL)	<p>2. Identify a range of diverse mathematical techniques to formulate and solve a problem in basic Physics.</p> <p>3. Analyse some of the useful mathematical methods.</p>

			<p>4. Apply the knowledge and understanding of these mathematical methods to solve problems in a number of fundamental topics in Physics.</p> <p>5. Construct a problem in Physics computationally.</p>
		C-VI THERMAL PHYSICS (THEORY)	<p>At the completion of this course, a student will be able to</p> <p>1. Develop knowledge on the classical laws of thermodynamics and their application</p> <p>2. Use the knowledge of thermodynamics in various applications in allied fields like Materials science, Condensed matter Physics, Atmospheric Physics, Solar Physics, etc.</p>
		C-VI THERMAL PHYSICS (PRACTICAL)	<p>3. Probe questions in varied fields of Physics, chemistry and biology based on principles of Thermal Physics.</p> <p>4. Use the concept of thermodynamics in real world experiences</p> <p>5. Develop critical and analytical thinking of the student on thermodynamics and allied disciplines</p>
		C-VII DIGITAL SYSTEMS AND APPLICATIONS (THEORY)	<p>At the completion of this course, a student will be able to:</p> <p>1. Know about the basic laboratory equipment electronics.</p>
		C-VII DIGITAL SYSTEMS AND APPLICATIONS (THEORY)	<p>2. Understand basic digital electronics concepts and devices.</p> <p>3. Analyse digital circuits.</p>

(c) Programme: B.Sc. Major Course in Physics (Non-CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.Sc. 4 th Sem	Mathematical Physics I (Paper Code:401)	This course will acquaint the students with knowledge of Vector calculus, Tensor Algebra, Matrices & Calculus of variation.
		Quantum Mechanics (Paper Code: 402)	This course will give an introduction to students to quantum mechanics and acquaint the students with wave equation and operator formalism.
		Laboratory (PRACTICAL)	This course will acquaint the student with the practical knowledge of MI verification of the laws of transverse vibrations, MII (Cauchy's constants), MII (Modulus of rigidity) etc.
2	B.Sc. 5 th Sem	Reading Drama (Paper Code:501)	After the culmination of this course, students shall be acquainted with English

			drama from Marlowe to Beckett, keeping in mind the cultural contexts of their production and reception.
		Criticism-I (Paper Code:502)	This course will acquaint the students with the major critical texts from the classical period to the neo classical period. It will help the student to contextualize critical terms and frames of reference that would be useful for the understanding and analysis of literary texts.
		Great European Thinkers (Paper Code:503)	This course will acquaint the students with the major philosophical texts from the early modern period to the 20th Century. It will contextualize philosophical terms and frames of reference that would be useful for understanding and analysing literary texts.
		Indian Writing in English (Paper Code:504)	This course will acquaint the students with seminal Indian writing in English texts which will help the students to understand the complexities of Indian life and culture as the relevance of Indian writing in English in the contemporary world.
3	B.Sc. 6 th Sem	Criticism-II (Paper Code-601)	This course will acquaint the students with the major critical texts from the Romantic period to the 20th Century. It will help the student to contextualize critical terms and frames of reference that would be useful for the understanding and analysis of literary texts.
		Literature of the USA (Paper Code-602)	This course will acquaint the students with seminal American texts which will help the students to understand the complexities of American life and culture as the relevance of the American ideals to the Indian situation.
		Literature in the Post-colonial world (Paper Code-603)	This course will acquaint the students with the seminal post-colonial novels which will help the student to understand the complex negotiations between the colonizer and the colonized and the transformations in societies and cultures in India and Africa.
		Introduction to Linguistic and Phonetics (Paper Code-604)	This course will introduce the students to some basic concepts associated with language. It will also familiarize the students with the sound system of English and English syntax to stimulate effective communication in English.

1 (a) Programme: B.A. Generic Elective Course in Political Science (CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 1 st Sem	GE-1A: NATIONALISM IN INDIA	The purpose of this course is to help students understand the struggle of Indian people against colonialism. It seeks to achieve this understanding by looking at this struggle from different theoretical perspectives that highlight its different dimensions. The course begins with the nineteenth century Indian responses to colonial dominance in the form of reformism and its criticism and continues through various phases up to the events leading to the Partition and Independence. In the process, the course tries to highlight its various conflicts and contradictions by focusing on its different dimensions: communalism, class struggle, caste and gender questions.
		GE-1B: CONTEMPORARY POLITICAL ECONOMY	Given the growing recognition worldwide of the importance of the political economy approach to the study of global order, this course has the following objectives: 1. To familiarize the students with the different theoretical approaches; 2. To give a brief overview of the history of the evolution of the modern capitalist world; 3. To highlight the important contemporary problems, issues and debates on how these should be addressed.
2	B.A 2 nd Sem	GE-2A: FEMINISM: THEORY AND PRACTICE	The aim of the course is to explain contemporary debates on feminism and the history of feminist struggles. The course begins with a discussion on construction of gender and an understanding of complexity of patriarchy and goes on to analyze theoretical debates within feminism. The paper also covers the history of feminism in the west, socialist societies and in anti-colonial struggles. Further a gendered analysis of Indian society, economy and polity with a view to understanding the structures of gender inequalities.
		GE-2B: GANDHI AND THE CONTEMPORARY WORLD	Locating Gandhi in a global frame, the course seeks to elaborate Gandhian thought and examine its practical

			implications. It will introduce students to key instances of Gandhi's continuing influence right up to the contemporary period and enable them to critically evaluate his legacy.
3	B.A 3 rd Sem	GE-3A: UNDERSTANDING AMBEDKAR	This course is broadly intended to introduce Ambedkar's ideas and their relevance in contemporary India, by looking beyond caste. Ambedkar's philosophical contributions towards Indian economy and class question, sociological interpretations on religion, gender, caste and cultural issues; ideas on politics such as concepts of nation, state, democracy, law and constitutionalism are to be pedagogically interrogated and interpreted. This will help students to critically engage themselves with the existing social concerns, state and economic structures and other institutional mechanisms. This also will facilitate them to strengthen their creative thinking with a collective approach to understand ongoing social, political, cultural and economic phenomena of the society.
		GE-3B: GOVERNANCE: ISSUES AND CHALLENGES	This paper deals with concepts and different dimensions of governance highlighting the major debates in the contemporary times. There is a need to understand the importance of the concept of governance in the context of a globalising world, environment, administration, development. The essence of governance is explored through the various good governance initiatives introduced in India.

1 (a) Programme: B.A. Honours Course in Political Science (CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 1st Sem	UNDERSTANDING POLITICAL THEORY (Paper Code: C-I)	This course is divided into five units. The units introduce the students to the idea of political theory, its history and approaches, and an assessment of its critical and contemporary trends. Further the last two units tend to reconcile political theory and practice through reflections on the ideas and practices related to State, Citizenship and Democracy.

		<p style="text-align: center;">CONSTITUTIONAL GOVERNMENT AND DEMOCRACY IN INDIA (Paper Code: C-II)</p>	<p>This course acquaints the students with the constitutional design of States' structure and institutions, and their actual working over time. The Constitution of India accommodates conflicting impulses (of liberty and justice, territorial decentralization and a strong union, for instance) within itself. The course traces the embodiment of some of these conflicts in constitutional provisions, and shows how these have played out in political practice. It further encourages a study of state institutions in their mutual interaction, and in interaction with the larger extra-constitutional environment.</p>
2	B.A 2 nd Sem	<p style="text-align: center;">POLITICAL THEORY- CONCEPTS AND DEBATES (Paper Code: C-III)</p>	<p>This course is divided into five units. The Course helps the student familiarize with the basic normative concepts of political theory. Each concept is related to a crucial political issue that requires analysis with the aid of our conceptual understanding. This exercise is designed to encourage critical and reflective analysis and interpretation of social practices through the relevant conceptual toolkit. Further this course introduces the students to the important debates in the subject. These debates prompt us to consider that there is no settled way of understanding concepts and that in the light of new insights and challenges, besides newer ways of perceiving and interpreting the world around us, we inaugurate new modes of political debates.</p>
		<p style="text-align: center;">POLITICAL PROCESS IN INDIA (Paper Code: C-IV)</p>	<p>Actual politics in India diverges quite significantly from constitutional legal rules. An understanding of the political process thus calls for a different mode of analysis - that offered by political sociology. This course maps the working of 'modern' institutions, premised on the existence of an individuated society, in a context marked by communitarian solidarities, and their mutual transformation thereby. It also familiarizes students with the working of the Indian state, paying attention to the contradictory dynamics of modern state power.</p>
3	B.A 3 rd Sem	<p style="text-align: center;">INTRODUCTION TO COMPARATIVE GOVERNMENT AND POLITICS (Paper Code: C-V)</p>	<p>This is a foundational course in comparative politics. The purpose is to familiarize students with the basic concepts and approaches to the study of comparative politics. More specifically the course will</p>

			focus on examining politics in a historical framework while engaging with various themes of comparative analysis in developed and developing countries.
		PERSPECTIVES ON PUBLIC ADMINISTRATION (Paper Code: C-VI)	The course provides an introduction to the discipline of public administration. This paper encompasses public administration in its historical context with an emphasis on the various classical and contemporary administrative theories. The course also explores some of the recent trends, including feminism and ecological conservation and how the call for greater democratization is restructuring public administration. The course will also attempt to provide the students a comprehensive understanding on contemporary administrative developments.
		PERSPECTIVES ON INTERNATIONAL RELATIONS AND WORLD HISTORY (Paper Code: C-VII)	This paper seeks to equip students with the basic intellectual tools for understanding International Relations. It introduces students to some of the most important theoretical approaches for studying international relations. The course begins by historically contextualizing the evolution of the international state system before discussing the agency structure problem through the levels-of-analysis approach. After having set the parameters of the debate, students are introduced to different theories in International Relations. It provides a fairly comprehensive overview of the major political developments and events starting from the twentieth century. Students are expected to learn about the key milestones in world history and equip them with the tools to understand and analyse the same from different perspectives. A key objective of the course is to make students aware of the implicit Euro - centricism of International Relations by highlighting certain specific perspectives from the Global South.

(c) Programme: B.A Major Course in Political Science (Non-CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 4 th Sem	COMPARATIVE POLITICS (PAPER CODE:401)	After the culmination of this course, students shall be acquainted with the diverse political systems especially of the

			developed countries along with China and Switzerland. It will also acquaint the students with the innovative concepts of comparative politics.
		POLITICS OF NORTH EAST INDIA WITH SPECIAL REFERENCE TO ASSAM (PAPER CODE: 402)	This course will acquaint the students with the sensitive peripheral states of India that has attracted the attention of the social scientists since a few years back. It will also enhance the students concerns of their own area.
2	B.A 5 th Sem	POLITICAL THEORY (PAPER CODE:501)	After completing this course, the learner shall be acquainted with the knowledge of the basic concepts and ideological orientations of the discipline. It will also acquaint the students with the development of the discipline.
		INDIAN POLITICAL THOUGHT (PAPER CODE:502)	This course will acquaint the students with the contribution of the main traditions of Indian political thought.
		INDIAN FOREIGN POLICY (PAPER CODE:503)	This course will acquaint the students with the evolution, development and trends of India's foreign policy.
		INTERNATIONAL LAW (PAPER CODE:504)	This course will acquaint the students with the basics of international law and law-trends in the realm of International Law.
3	B.A 6 th Sem	HUMAN RIGHTS (PAPER CODE-601)	After completing this course, students shall be acquainted with the basic concepts and issues concerning human rights and will acquaint the students with the contemporary challenges.
		INTRODUCTION TO WOMEN'S STUDIES (PAPER CODE-602)	After completing this course, the learner shall generate sensitization for women's issues and problems. It will also introduce the basic concepts and theories to facilitate the understanding of women's and women's activism in India and the West.
		ADMINISTRATION OF RURAL DEVELOPMENT IN INDIA (PAPER CODE-603)	After the culmination of this course, students shall be acquainted with the problems and prospects of rural development in India. It will enable the students to understand the approaches to rural development, objectives of the various RDPs, implementing Agencies, infrastructure to rural development etc.
		INDIAN ADMINISTRATION (PAPER CODE-604)	This course will acquaint the students with the cultural, social, political, economic and constitutional environment as a historical perspective of Indian Administration. It will help students to understand the nature, character and behaviours of Indian Administration. It will also help the students to know various changes and

			developments, trends and patterns emerging in Indian Administration.
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SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 1 st Sem	GE-I: INDIAN SOCIETY: IMAGES AND REALITIES	This course seeks to provide an interdisciplinary introduction to Indian society.
2	B.A 2 nd Sem	GE-II: FAMILY AND INTIMACY	Family is one of the vital institutions of human society. It is experienced intimately and debated keenly. This course attempts to introduce students to a range of contemporary concerns pertaining to this institution from a sociological perspective and with an interdisciplinary orientation.
3	B.A 3 rd Sem	GE-III: RETHINKING DEVELOPMENT	This paper examines the ideas of development from a sociological perspective. It introduces students to different approaches to understanding development and traces the trajectory of Indian experience with development from an interdisciplinary perspective.

1 (a) Programme: B.A. Generic Elective Course in Sociology (CBCS)

1 (a) Programme: B.A. Honours Course in Sociology (CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 1 st Sem	C01: INTRODUCTION TO SOCIOLOGY - I	The mandate of the course is to introduce the discipline to students from diverse trainings and capabilities. The course is intended to introduce the students to a sociological way of thinking. It also provides a foundation for the other more detailed and specialized courses in sociology.
		C02: SOCIOLOGY OF INDIA – I	This paper introduces the processes and modes of construction of knowledge of India. Further, it aims to draw attention to the key concepts and institutions which are useful for the understanding of Indian society.
2	B.A 2 nd Sem	C03: INTRODUCTION TO SOCIOLOGY - II	The course aims to provide a general introduction to sociological thought. The focus is on studying from the original texts

			to give the students a flavour of how over a period of time thinkers have conceptualized various aspects of society. This paper also provides a foundation for thinkers in the other papers.
		C04: SOCIOLOGY OF INDIA – II	This paper aims to draw attention to the variety of ideas and debates about India. Further, it critically engages with the multiple socio-political forces and ideologies which shape the terrain of the nation.
3	B.A 3 rd Sem	C05: POLITICAL SOCIOLOGY	This course introduces the students to some major theoretical debates and concepts in Political Sociology, while situating these within contemporary political issues. A key thrust of the paper is towards developing a comparative understanding of political relationships through themes such as power, governance and state and society relationships.
		C06: SOCIOLOGY OF RELIGION	The course lays primacy to the understanding of religious over individual religions. Drawing heavily from classical writings on the subject it reinforces importance of the positions developed in these texts. Implicitly numerous interconnections can be attempted between various themes, manifestly the overarching concern of the paper is to follow up the linkage between social and religious through different registers mentioned in the outline.
		C07: SOCIOLOGY OF GENDER	The course introduces gender as a critical sociological lens of enquiry in relation to various social fields. It also interrogates the categories of gender, sex, and sexuality

(c) Programme: B.A Major Course in Sociology (Non-CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.A 4 th Sem	SOCIAL SURVEY, RESEARCH AND STATISTICS (PAPER CODE:401)	After the culmination of this course, students shall be acquainted with conceptual meaning of Sociology of Development. It will enable the students to understand the scope, models, aspects of Economic Development along with socio-economic planning.
		SOCIAL PROBLEMS AND SOCIAL WELFARE (PAPER CODE: 402)	After the culmination of this course, students shall be acquainted with the fundamentals and the emerging issues of

			social problems, social welfare and security from the sociological perspective.
2	B.A 5 th Sem	SOCIOLOGY OF DEVELOPMENT (PAPER CODE:501)	After the culmination of this course, students shall be acquainted with the meaning of sociology of development. It will provide inputs on socio-economic development as well as self-reliance, social justice or modernization.
		SOCIETY IN NORTH EAST INDIA (PAPER CODE:502)	This course will acquaint the students with the historical background of the North East Frontier Region as a unique sociological spot of observation as it has been occupied by different ethnic groups of people with diverse cultural traits and preservation of respective social system.
		UNDERSTANDING SOCIAL PSYCHOLOGY (PAPER CODE:503)	This course is to acquaint the students with the basic understanding of social psychology. It will also help the students to develop their own personality in the society.
		SOCIOLOGY OF MASS COMMUNICATION (PAPER CODE:504)	This course will acquaint the students with sociological understanding of Mass-Communication. It will also help the students to develop their process of interaction in day-to-day and everyday working life.
3	B.A 6 th Sem	GLOBALIZATION AND SOCIETY (PAPER CODE-601)	After the culmination of this course, students shall be acquainted with the characteristics of and the issues relating to globalization. It will also introduce the students to the nature and dynamics of globalization, various agencies involved in this process and examines its socio-economic and cultural impact.
		SCIENCE, TECHNOLOGY AND SOCIETY (PAPER CODE-602)	After completing this course, the learner shall be acquainted with sociological understanding of science and technology. It will also enable the students to learn the impact of science and technology on the society.
		SOCIOLOGY OF INDUSTRY (PAPER CODE-603)	This course will enable the students to have a theoretical knowledge on Sociology of Industry. It will help students to understand the social Structure of Industry and its practical aspects.
		SOCIOLOGY OF HEALTH AND HOSPITAL MANAGEMENT (PAPER CODE-604)	This course will introduce the students to the concepts of health and as a discipline of social science. It will enable the students to understand the inter relationship between society and health, the problems of health in India in its dimensions and also the

			relationship between political economy and health at national and international levels.
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SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.Sc. 1 st Sem	GE-I ANIMAL CELL BIOTECHNOLOGY (THEORY)	
		GE-I ANIMAL CELL BIOTECHNOLOGY (PRACTICAL)	
2	B.Sc. 2 nd Sem	GE-II ANIMAL DIVERSITY (THEORY)	
		GE-II ANIMAL DIVERSITY (PRACTICAL)	
3	B.Sc. 3 rd Sem	GE-III AQUATIC BIOLOGY (THEORY)	
		GE-III AQUATIC BIOLOGY (PRACTICAL)	

1 (a) Programme: B.Sc. Generic Elective Course in Zoology (CBCS)

1 (a) Programme: B.Sc. Honours Course in Zoology (CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.Sc. 1 st Sem	COURSE CODE: ZC101T NON-CHORDATES I: PROTISTA TO PSEUDOCOELOMATES (THEORY)	The objective of the course is to expose the students to various forms of protozoa and worms; their classification and structural anatomy.
		COURSE CODE: ZC101P NON-CHORDATES I: PROTISTA TO PSEUDOCOELOMATES (PRACTICAL)	
		COURSE CODE: ZC102T PRINCIPLES OF ECOLOGY (THEORY)	The objective of the course is to familiarize the students with

			fundamentals of ecology and impacts of ecological factors on living organisms.
		COURSE CODE: ZC102P PRINCIPLES OF ECOLOGY (PRACTICAL)	
2	B.Sc. 2 nd Sem	COURSE CODE: ZC203T NON-CHORFATES II: COELOMATES (THEORY)	The objective of the course is to expose the students to various forms of coelomates, their classification and structural anatomy
		COURSE CODE: ZC203P NON-CHORFATES II: COELOMATES (PRACTICAL)	
		COURSE CODE: ZC204T CELL BIOLOGY (THEORY)	The objective of the course is to expose the students to structure and function of a cell as the fundamental unit of life.
		COURSE CODE: ZC204P CELL BIOLOGY (PRACTICAL)	
3	B.Sc. 3 rd Sem	COURSE CODE: ZC305T DIVERSITY OF CHORDATA (THEORY)	The objective of the course is to expose the students to various forms of chordates, their classification and structural anatomy.
		COURSE CODE: ZC305P DIVERSITY OF CHORDATA (PRACTICAL)	
		COURSE CODE: ZC306T ANIMAL PHYSIOLOGY: CONTROLLING AND COORDINATING (THEORY)	The objective of this course is to provide a foundation for understanding the complexities of the coordination system of animal body.
		COURSE CODE: ZC306P ANIMAL PHYSIOLOGY: CONTROLLING AND COORDINATING (PRACTICAL)	
		COURSE CODE: ZC307T FUNDAMENTALS OF BIOCHEMISTRY (THEORY)	The objective of this course is to expose the students to biomolecules of living organisms, their interactions for perpetuation of life.
COURSE CODE: ZC307P FUNDAMENTALS OF BIOCHEMISTRY (PRACTICAL)			

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(c) Programme: B.Sc. Major Course in Zoology (Non-CBCS)

SL. NO	SEMESTER	PAPER/COURSE	EXPECTED LEARNERS' OUTCOME
1	B.Sc. 4 th Sem	(PAPER CODE:401) CELL BIOLOGY, HISTOLOGY AND HISTOCHEMISTRY THEORY	This course will acquaint the students with the fundamental knowledge of structural and histochemical analysis of animal cells and tissues.
		(PAPER CODE: 402) PRACTICAL	This course will acquaint the students with practical knowledge on the study of mitosis in tadpole tail, onion root tip, meiosis in testes of grasshopper or cockroach etc.
		(PAPER CODE:403) DEVELOPMENT BIOLOGY	This course will provide exposure to the students on the fundamentals of embryology of animals.
		(PAPER CODE:404) PRACTICAL	This course will provide practical knowledge on study of permanent slides of different embryonic stages of frog/toad and chick embryo etc.
2	B.Sc. 5 th Sem	(Paper Code:501) Development Biology	This course will provide exposure to the students on the fundamentals of embryology of animals.
		Criticism-I (Paper Code:502)	This course will acquaint the students with the major critical texts from the classical period to the neo classical period. It will help the student to contextualize critical terms and frames of reference that would be useful for the understanding and analysis of literary texts.
		Great European Thinkers (Paper Code:503)	This course will acquaint the students with the major philosophical texts from the early modern period to the 20th Century. It will contextualize philosophical terms and frames of reference that would be useful for understanding and analysing literary texts.
		Indian Writing in English (Paper Code:504)	This course will acquaint the students with seminal Indian writing in English texts which will help the students to understand the complexities of Indian life and culture as the relevance of Indian writing in English in the contemporary world.
3	B.Sc. 6 th Sem	Criticism-II (Paper Code-601)	This course will acquaint the students with the major critical texts from the Romantic period to the 20th Century. It will help the student to contextualize critical terms and frames of reference that would be useful for the understanding and analysis of literary texts.

		Literature of the USA (Paper Code-602)	This course will acquaint the students with seminal American texts which will help the students to understand the complexities of American life and culture as the relevance of the American ideals to the Indian situation.
		Literature in the Post-colonial world (Paper Code-603)	This course will acquaint the students with the seminal post-colonial novels which will help the student to understand the complex negotiations between the colonizer and the colonized and the transformations in societies and cultures in India and Africa.
		Introduction to Linguistic and Phonetics (Paper Code-604)	This course will introduce the students to some basic concepts associated with language. It will also familiarize the students with the sound system of English and English syntax to stimulate effective communication in English.