

**Paper wise Course Outcome**  
**COURSE : U.G. (B.A./B.SC/B.COM)**

**Subject: Assamese**

Semester	Course	Paper	Outcome
1 <sup>st</sup> Semester	Major	M-104: History of Assamese Literature and Scripts	To learn regarding various Assamese Folk literature and written literature during Sankari and Pre-Sankari era. It also aims to acquaint the students regarding evolution of Assamese scripts.
	Major	M-105: Ancient Assamese Poetry	To impart knowledge regarding various ancient poetries of Assam.
	General (Elective)	E-101: History of Assamese Literature	To acquaint the students regarding history of Assamese literature.
	General (MIL)	E-103: Assamese Poetry	To acquaint the students regarding Assamese Poetry.
2 <sup>nd</sup> Semester	Major	M-204: History of Assamese Literature (Post-Sankari to Abahan Era)	To throw light on various Assamese literature uring Post-Sankari to Abahan Era.
	Major	M-205: Modern Assamese Poetry	To learn regarding various modern Assamese poetry.
	General (Elective)	E-201: History of Assamese Literature	To acquaint the students regarding various language families and evolution of Assamese language.
	General (MIL)	E-203: Assamese Prose	To give knowledge regarding Assamese Prose.
3 <sup>rd</sup> Semester	Major	M-304: Assamese Language	To acquaint the students regarding the history and evolution of Assamese Language.
	Major	M-305: Assamese Literature (Sankardeva & Bezbaruah)	To throw light on works of Sankardeva and Laxminath Bezbaruah.
	General (Elective)	E-304: History of Assamese Literature	To impart knowledge regarding history of Assamese literature.
	General (MIL)	E-308: Assamese Plays	To throw light regarding Assamese Plays.
4 <sup>th</sup> Semester	Major	M-401: Assamese Grammar	To impart knowledge regarding history and classification of Assamese Grammar, Phonetics, Syntax etc.
	Major	M-402: Introductory Study of Assamese ethnicity and culture.	To acquaint the students regarding definition of ethnicity, folk culture of Assam and its elements, religious groups etc.
	Major	M-403: Field Study	The students have to prepare a Field Study Report on a particular place, folk culture, folk art, folk literature, festivals etc. under the guidance of a faculty member of the department.

Semester	Course	Paper	Outcome
	General (Elective)	E-403: Assamese Grammar	To impart knowledge regarding history and classification of Assamese Grammar, Phonetics, Syntax etc.
	General (MIL)	E-408: Assamese Short Stories, Novels and Essays	To throw light regarding Assamese Short Stories, Novels and Essays.
5 <sup>th</sup> Semester	Major	M-501: Old Assamese Plays	To discuss regarding some of the plays written by Sankaradeva, Madhavdeva etc.
	Major	M-502: Old Assamese Story Literature	To acquaint the students regarding stories based on historical and mythological events.
	Major	M-503: Study of Brajabuli Literature	To impart knowledge regarding evolution, features of Brajabuli Language.
	Major	M-504: Pali-Prakrit Literature and Grammar	To impart knowledge regarding evolution of Pali-Prakrit Literature.
	Major	M-505: Literature Criticism	To acquaint the students regarding criticising and comparing eastern and western literature.
	Major	M-506: Forms of Language	To acquaint the students regarding classification of language and its association with culture and society.
	General (Elective)	E-503: Assamese Poetry	To impart knowledge regarding Assamese Poetry.
	General (Elective)	E-504: Assamese Plays	To impart knowledge regarding Assamese Plays.
6 <sup>th</sup> Semester	Major	M-601: Modern Assamese Plays	To impart knowledge regarding modern Assamese plays.
	Major	M-602: Modern Assamese Story Literature	To throw light on modern Assamese story literature.
	Major	M-603: Study of Modern Indian Literature	This course will provide students introduction to modern Indian literature with examples of literary works in Assamese, Bengali and Hindi.
	Major	M-604: Assamese short stories and novels	To acquaint the students regarding Assamese short stories and novels.
	Major	M-605: Chhanda-Alankar	To impart knowledge regarding use of stanza decking.
	Major	M-606: Introduction to Language Science	To give knowledge regarding various branches of Language Science.
	General (Elective)	E-603: Assamese Prose	To acquaint the students regarding Assamese Prose.

**Subject: Bengali**

<b>Semester</b>	<b>Course</b>	<b>Paper</b>	<b>Outcome</b>
1 <sup>st</sup> Semester	General (MIL)	Paper 1.1: Poetry	To acquaint the students with various Bengali Poetries.
2 <sup>nd</sup> Semester	General (MIL)	Paper 2.1: Novels & Short Stories	To acquaint the students with various Bengali Novels and Short Stories.
3 <sup>rd</sup> Semester	General (MIL)	Paper 3.1: Farces & Plays	To acquaint the students with various Bengali Farces and Plays.
4 <sup>th</sup> Semester	General (MIL)	Paper 4.1: Essay Writing & Grammar	To acquaint the students with Bengali Grammar and Essay Writing.

### Subject: Economics

Semester	Course	Paper	Outcome
1 <sup>st</sup> Semester	Major	M-104: Microeconomics-I	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 analyze real-life situations.
	Major	M-105: Macroeconomics-I	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.
	General	E-10:1Elementary Micro Economics	This course intends to expose the student to the basic principles in Microeconomic Theory and illustrate with applications.
2 <sup>nd</sup> Semester	Major	M-204: Microeconomics-II	The course is designed to provide a sound training in microeconomic theory to formally analyze the behaviour of individual agents. This course looks at the behaviour of the consumer and the producer and also covers the behaviour of a competitive firm.
	Major	M-205: Macroeconomics-II	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.
	General	E-201: Introductory Macro Economics	This course introduces students to the basic concepts in Macroeconomics. Macroeconomics deals with the aggregate economy. In this course the students are introduced to the definition, measurement of the macroeconomic variables like GDP, consumption, savings, investment and balance of payments. The course also discusses various theories of determining GDP in the short run.
3 <sup>rd</sup> Semester	Major	M-304: Elementary Mathematics for Economics	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. The level of sophistication at which the material is to be taught is indicated by the contents of the prescribed textbook.
	Major	M-305: The Monetary System	This course exposes students to the theory and functioning of the monetary system of the economy. It highlights monetary management and instruments of monetary control.

Semester	Course	Paper	Outcome
	General	E-303: Money, Banking and Finance	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.
4 <sup>th</sup> Semester	Major	M-404: Mathematical Applications in Economics	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. The level of sophistication at which the material is to be taught is indicated by the contents of the prescribed textbook.
	Major	M-405: Introduction to Development Economics	This is the first part of a two-part course on economic development. The course begins with a discussion of alternative conceptions of development and their justification. It then proceeds to aggregate models of growth and cross-national comparisons of the growth experience that can help evaluate these models. The axiomatic basis for inequality measurement is used to develop measures of inequality and connections between growth and inequality are explored. The course ends by linking political institutions to growth and inequality by discussing the role of the state in economic development and the informational and incentive problems that affect state governance.
	General	E-403: Indian Economy with Issues of North-East.	This course examines sector-specific policies and their impact in shaping trends in key economic indicators in India. It highlights major policy debates and evaluates the Indian empirical evidence. Given the rapid changes taking place in the country, the reading list will have to be updated annually.
5 <sup>th</sup> Semester	Major	M-501: Elements of Public Finance	This course is a non-technical overview of government finances with special reference to India. The course does not require any prior knowledge of economics. It will look into the efficiency and equity aspects of taxation of the centre, states and the local governments and the issues of fiscal federalism and decentralisation in India. The course will be useful for students aiming towards careers in the government sector, policy analysis, business and journalism.

Semester	Course	Paper	Outcome
	Major	M-502: Basic statistics (for B.A.)	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.
	Major	M-502: Introduction to Econometrics (for B.Sc)	This course provides a comprehensive introduction to basic econometric concepts and techniques. It covers statistical concepts of hypothesis testing, estimation and diagnostic testing of simple and multiple regression models. The course also covers the consequences of and tests for misspecification of regression models.
	Major	M-503: Introduction to Environmental Economics	This course focuses on economic causes of environmental problems. In particular, economic principles are applied to environmental questions and their management through various economic institutions, economic incentives and other instruments and policies. Economic implications of environmental policy are also addressed as well as valuation of environmental quality, quantification of environmental damages, tools for evaluation of environmental projects such as cost-benefit analysis and environmental impact assessments. Selected topics on international environmental problems are also discussed.
	Major	M-504: International Trade and Policy	This course develops a systematic exposition of models that try to explain the composition, direction and consequences of international trade, and the determinants and effects of trade policy. It then builds on the models of open economy macroeconomics developed in courses 08 and 12, focusing on national policies as well as international monetary systems. It concludes with an analytical account of the causes and consequences of the rapid expansion of international financial flows in recent years. Although the course is based on abstract theoretical models, students will also be exposed to real-world examples and case studies.
	Major	M-505: History Economics Thought-I	To learn historical background of economic theories.

Semester	Course	Paper	Outcome
	General	E-503: Public Finance	This course is a non-technical overview of government finances with special reference to India. The course does not require any prior knowledge of economics. It will look into the efficiency and equity aspects of taxation of the centre, states and the local governments and the issues of fiscal federalism and decentralisation in India. The course will be useful for students aiming towards careers in the government sector, policy analysis, business and journalism.
	General	E-504: Introduction to Growth and Development Economics	To introduce various theoretical background of economic growth and development.
6 <sup>th</sup> Semester	Major	M-601: Public Economics	To provide knowledge regarding government taxation policy, public expenditure, public debt and fiscal policy.
	Major	M-602: Applied Statistics (For B.A.)	This is a course on applied statistical methods for economics.
	Major	M-602: Econometric Methods (For B.Sc)	This course provides advanced econometric concepts and techniques.
	Major	M-603: Economics of Natural Resources and Sustainable Development	To impart knowledge regarding theories relating to sustainable use of renewable and non-renewable resources and global; warming.
	Major	M-604: International Economics	This course develops a systematic exposition of models that try to explain the composition, direction and consequences of international trade, and the determinants and effects of trade policy. It then builds on the models of open economy macroeconomics developed in courses 08 and 12, focusing on national policies as well as international monetary systems. It concludes with an analytical account of the causes and consequences of the rapid expansion of international financial flows in recent years. Although the course is based on abstract theoretical models, students will also be exposed to real-world examples and case studies.
	Major	M-605: History of Economics Thought-II	To learn historical background of economic theories.
	Major	M-606: Planning for Development: India and the Northeast	This module elaborates the of the economic planning for development. It begins with basic demographic concepts and their evolution during the process of development. The structure of markets and contracts is linked to the particular problems of enforcement experienced in poor countries. The governance of communities and organizations is studied and this is then linked to questions of sustainable growth. The course ends with reflections on the role of globalization and increased international dependence on the process of development.

<b>Semester</b>	<b>Course</b>	<b>Paper</b>	<b>Outcome</b>
	General	E-603: International Economics	This course develops a systematic exposition of models that try to explain the composition, direction and consequences of international trade, and the determinants and effects of trade policy. It then builds on the models of open economy macroeconomics developed in courses 08 and 12, focusing on national policies as well as international monetary systems. It concludes with an analytical account of the causes and consequences of the rapid expansion of international financial flows in recent years. Although the course is based on abstract theoretical models, students will also be exposed to real-world examples and case studies.
	General	E-604: Planning and Development in India	This module elaborates the of the economic planning for development. It begins with basic demographic concepts and their evolution during the process of development. The structure of markets and contracts is linked to the particular problems of enforcement experienced in poor countries. The governance of communities and organizations is studied and this is then linked to questions of sustainable growth. The course ends with reflections on the role of globalization and increased international dependence on the process of development.

### Subject: Education

Semester	Course	Paper	Outcome
1 <sup>st</sup> Semester	Major	1.01: Foundation of Educational: Theories & Principles	<ul style="list-style-type: none"> <li>• To be acquainted with ‘scientific’ and sound principles of education.</li> <li>• To understand the concept, nature and scope of education</li> <li>• To gain knowledge about different aims of education.</li> <li>• To be familiarized with different dimensions of education such as the learner, the teacher and the curriculum.</li> <li>• To acquire knowledge about the concept of discipline and freedom.</li> <li>• To create awareness among the students about the latest trends and current educational thoughts.</li> </ul>
	Major	1.02: Educational Psychology	<ul style="list-style-type: none"> <li>• To enable the students to understand the relation between education and psychology and different methods of educational psychology.</li> <li>• To enable the students to understand learning, process, memory, attention, instinct and emotion.</li> <li>• To acquaint the students with the concept of personality, type and trait theories.</li> <li>• To understand the concept of intelligence - nature and different theories.</li> <li>• To understand the nature of creative talent and processes and of creative individuals and the implication for indentifying and nurturing such talent.</li> <li>• To enable the students to understand the concept and process of adjustment and mental health and hygiene for promotion of mental health.</li> </ul>
	General	1.01: Foundation of Educational Theories and Principles	<ul style="list-style-type: none"> <li>• To be acquainted with scientific and sound principles and theories of education.</li> <li>• To understand the concept, nature and scope of education.</li> <li>• To gain knowledge about different aims of education.</li> <li>• To be familiarized with different dimensions of Education such as the learner, the teacher and the curriculum.</li> <li>• To acquire knowledge about the concept of discipline and freedom.</li> <li>• To expose the students to modern trends of education – particularly value education.</li> </ul>
2 <sup>nd</sup> Semester	Major	2.01: Development of Education in India	<ul style="list-style-type: none"> <li>• To acquaint the students with the ancient and medieval system of education in India.</li> <li>• To help the students to understand the development of education in India during the British Period.</li> <li>• To acquaint the students with the development of education in India during post independence period.</li> <li>• To enable the students to understand the development of education in Assam.</li> </ul>

Semester	Course	Paper	Outcome
	Major	2.02: Sociological Foundations of Education	<ul style="list-style-type: none"> <li>To acquaint the students with education as a social process.</li> <li>To inculcate the knowledge of Education from the social perspective.</li> <li>To understand education as a determinant of social change and development.</li> <li>To develop social habits and attitudes in the students and to make them socially adjustable.</li> </ul>
	General	2.01: Educational Psychology	<ul style="list-style-type: none"> <li>To enable the students to understand the relation between education and psychology and different methods of educational psychology.</li> <li>To enable the students to understand learning process, memory, attention, instinct and emotion.</li> <li>To acquaint the students with the concept of personality, type and trait theories.</li> <li>To understand the concept of intelligence - nature and different theories.</li> </ul>
3 <sup>rd</sup> Semester	Major	3.01: Emerging Issues and Education	<ul style="list-style-type: none"> <li>To acquaint the learner with the emerging issues in education.</li> <li>To develop awareness and understanding about different literacy programmes, women empowerment, Human rights, globalization, vocationalization of secondary education.</li> <li>To develop in students basic understanding regarding students indiscipline –its causes and remedies.</li> <li>To acquaint the students about the need and importance of national integration and International understanding and the role of education in promoting them.</li> <li>To acquaint the students with meaning, importance and means of life skill education.</li> <li>To develop understanding about concept, importance, methods and programmes of Peace Education.</li> </ul>
	Major	3.02: Measurement and Evaluation in Education	<ul style="list-style-type: none"> <li>To help the students to acquire knowledge of the concept of measurement and evaluation in education.</li> <li>To develop an understanding of different types of educational tests and their uses.</li> <li>To acquaint the students with the characteristics of a good measuring instrument and the procedure of constructing educational and psychological tests.</li> <li>To acquaint the students about intelligence test, personality test, aptitude, interest and attitude test, and educational achievement test.</li> <li>To enable the students to understand about new trends in evaluation.</li> </ul>

Semester	Course	Paper	Outcome
	General	3.01: Development of Education in India	<ul style="list-style-type: none"> <li>To acquaint the students with the ancient and medieval system of education in India.</li> <li>To help the students to understand the development of education in India during the British Period.</li> <li>To acquaint the students with the development of education in India during post independence period.</li> <li>To acquaint the students with the development of education in Assam.</li> </ul>
4 <sup>th</sup> Semester	Major	4.01: Educational Technology	<ul style="list-style-type: none"> <li>To enable the students to understand the concept and scope and objectives of Educational Technology.</li> <li>To acquaint the students about teaching technology, behavioural technology and instructional technology.</li> <li>To make the students understand about communication, process, teaching aids, system approach and use of computer and internet in educational technology.</li> <li>To acquaint the students with innovations in Education through Educational Technology – Team Teaching, E-Learning and E-Library.</li> </ul>
	Major	4.02: Environmental and Population Education	<ul style="list-style-type: none"> <li>To enable the students to understand the concept, scope and importance of environmental education.</li> <li>To enable the students to understand the programmes of environmental education at different levels of education.</li> <li>To make the students aware of environmental stressors and knowledge on disaster management education.</li> </ul>
	General	4.01: Sociological Foundations of Education	<ul style="list-style-type: none"> <li>To acquaint the students with education as a social process.</li> <li>To inculcate the knowledge of Education from the social perspective.</li> <li>To understand education as a determinant of social change and development.</li> <li>To develop social habits and attitudes in the students and to make them socially adjustable.</li> </ul>
5 <sup>th</sup> Semester	Major	5.01: Philosophy of Education	<ul style="list-style-type: none"> <li>To make students understand how philosophical ideas have influenced educational ideas.</li> <li>To acquaint with the relationship between philosophy and education.</li> <li>To acquire knowledge about the three major philosophies of education — Idealism, Naturalism and Pragmatism.</li> <li>To familiarise with the Indian schools of philosophical thought — Vedic, Buddhist and Islamic thought.</li> </ul>

Semester	Course	Paper	Outcome
	Major	5.02: Educational Thinkers- Oriental and Occidental	<ul style="list-style-type: none"> <li>• To enable the students to understand the philosophy of life of different educational thinkers and their contribution to present day educational thought.</li> <li>• To enable the students to learn about the views of the Western and Indian thinkers on aim, curriculum, method of teaching, discipline and role of teacher.</li> </ul>
	Major	5.03: Teacher Education	<ul style="list-style-type: none"> <li>• To acquaint the learner with the concept, aims, scope and development of teacher education in India.</li> <li>• To develop understanding about the different policies and practices and quality assurance in Teacher education along with the needs and importance of in-service training programmes.</li> <li>• To acquaint the learner with skilled based and competency based teacher education.</li> <li>• To develop understanding about professional ethics and accountability of teacher.</li> <li>• To acquainted the learner with different organizations involved in teacher education.</li> </ul>
	Major	5.04: Teaching –Learning Method and Pedagogy	<ul style="list-style-type: none"> <li>• To acquaint the students with the teaching learning process, the principles, maxims fundamental of teaching.</li> <li>• To develop an understanding of the various methods and devices of teaching.</li> <li>• To acquaint students with levels, strategies and models of teaching.</li> <li>• To understand about teaching effectiveness and classroom management.</li> <li>• To develop a positive attitude towards the teaching profession.</li> </ul>
	Major	5.05: Statistics in Education	<ul style="list-style-type: none"> <li>• To enable the students to understand the basic concept of statistics.</li> <li>• To acquaint the students with different statistical procedures used in Education.</li> <li>• To give detailed knowledge about Descriptive Statistics</li> <li>• To familiarize the students about the Normal Probability Curve and its applications in Education.</li> </ul>
	Major	5.06: Practical paper	<ul style="list-style-type: none"> <li>• To enable the students to understand the concept of experimental psychology.</li> <li>• To understand the methods of conducting various psychological experiments and tests.</li> <li>• To develop scientific attitude amongst students.</li> </ul>

Semester	Course	Paper	Outcome
	General	5.01: Emerging Issues and Education	<ul style="list-style-type: none"> <li>To acquaint the learner with the emerging issues in education.</li> <li>To develop awareness and understanding about different literacy programmes, women empowerment, Human rights, globalization, vocationalization of secondary education.</li> <li>To develop in students basic understanding regarding students indiscipline –its causes and remedies.</li> <li>To acquaint the students about the need and importance of national integration and International understanding and the role of education in promoting them.</li> </ul>
	General	5.02: Educational Measurement and Educational Statistics	<ul style="list-style-type: none"> <li>To help the students to acquire knowledge of the concept of measurement and evaluation in education.</li> <li>To develop an understanding of different types of educational tests and their uses.</li> <li>To acquaint the students with the characteristics of a good measuring instrument and the procedure of constructing educational and psychological tests.</li> <li>To help the students to be acquainted with the concept and application of statistics in Education.</li> </ul>
6 <sup>th</sup> Semester	Major	6.01: Developmental Psychology	<ul style="list-style-type: none"> <li>To enable the students to understand the basic concepts relating to development.</li> <li>To acquaint the students about heredity and environmental factors affecting pre-natal development</li> <li>To enable the students to understand the development aspects during infancy and childhood.</li> <li>To enable the students to understand the development aspects of adolescence, importance of adolescence period and problems associated with this stage.</li> </ul>
	Major	6.02: Continuing Education and Distance Education	<ul style="list-style-type: none"> <li>To enable the students to understand the concept of continuing education and its relevance to the changing society.</li> <li>To acquaint the students with methods and techniques of continuing education.</li> <li>To make the students understand the development of Adult Education in India, Kinds of Adult Education Programme in India and the major problems conformating adult education.</li> <li>To enable the students to understand the meaning, characteristics, merits and demerits of distance education and its growth in India.</li> <li>To acquaint the students with the different forms of instructional strategies in distance education along with the distance mode of learning.</li> </ul>

<b>Semester</b>	<b>Course</b>	<b>Paper</b>	<b>Outcome</b>
	Major	6.03: Special Education	<ul style="list-style-type: none"> <li>• To help the students to understand the meaning and importance of special education.</li> <li>• To acquaint the students with the different government policies and legislations regarding persons with disabilities</li> <li>• To familiarise the students with the different types of special children with their behavioural characteristics.</li> <li>• To enable the students to know about the different issues, education provisions and support services of special children.</li> </ul>
	Major	6.04: Guidance and Counselling	<ul style="list-style-type: none"> <li>• To enable the students to understand the concept, nature, scope, need and importance of guidance.</li> <li>• To enable the students to understand the meaning, purpose and functions of different types of guidance.</li> <li>• To enable the students to understand about the different types of guidance programmes and their organization.</li> <li>• To enable the students to understand the meaning, nature, objectives, need and importance, types, steps, and techniques to counselling.</li> <li>• To enable the students to understand the relationship of guidance and counseling, their problems and ways for improvement.</li> <li>• To enable the students to understand the role of school counsellor and qualities of a good counsellor.</li> </ul>
	Major	6.05: Educational Management and Administration	<ul style="list-style-type: none"> <li>• To enable the students to understand the basic concepts of management, organization and administration</li> <li>• To provide knowledge on Types, Principles and Functions of Educational Management</li> <li>• To infuse knowledge on educational supervision, institutional planning and educational administrative structure of India in general and Assam in particular.</li> </ul>
	Major	6.06: Project Work	<ul style="list-style-type: none"> <li>• Each candidate is required to complete any one project related to any area of the syllabus to be evaluated by internal and external examiners jointly through viva voce test.</li> </ul>

<b>Semester</b>	<b>Course</b>	<b>Paper</b>	<b>Outcome</b>
	General	6.01: Educational Technology	<ul style="list-style-type: none"> <li>• To enable the students to understand the concept and scope and objectives of Educational Technology.</li> <li>• To acquaint the students about teaching technology, behavioural technology and instructional technology.</li> <li>• To make the students understand about communication process, teaching aids, system approach and use of computer and internet in educational technology.</li> </ul>
	General	6.02: Environmental and Population Education	<ul style="list-style-type: none"> <li>• To enable the students to understand the concept scope and importance of environmental education.</li> <li>• To enable the students to understand the programmes of environmental education at different levels of education.</li> <li>• To make the students aware of environmental stressors and disaster management education.</li> </ul>

### Subject: English

Semester	Course	Paper	Outcome
1 <sup>st</sup> Semester	Major	PAPER 1: The Social and Literary Context: Medieval and Renaissance	This paper acquaints students with the contexts of the English literary tradition. Students are expected to read and relate the circumstances that influenced, shaped and contributed to the process of literary production from the medieval period to the Renaissance.
	Major	PAPER 2 : Medieval and Renaissance: Poetry and Plays	In this paper students will study poetry and drama that emerged against the literary and historical contexts studied in the previous paper.
	Compulsory	PAPER 1: English-I	The aim of this course is to provide the student an opportunity to read and respond to representations of issues in contemporary life and culture in the English language. The selection of texts is aimed to present themes and topics that are stimulating, insightful and informative
	General (Alt. English)	PAPER 1: Poetry	The aim of this course is to provide the student an opportunity to read and respond to representations of issues in contemporary life and culture in the English language. The selection of texts is aimed to present themes and topics that are stimulating, insightful and informative
2 <sup>nd</sup> Semester	Major	PAPER 3: The Social and Literary Context: Restoration to the Romantic Age	The objective of this paper is to acquaint students with the contexts of the English literary tradition from the Restoration of Charles II and the reopening of the theatres in 1660 to the Age of Romanticism. Students are expected to understand the circumstances that influenced, shaped and contributed to the process of literary production and topics identified in this paper are necessary and useful markers.
	Major	PAPER 4 : Restoration to Romanticism English Poetry, Drama and Fiction	In this paper students will have the opportunity to study the literary texts that reflect the socio-cultural and political interests of the period studied in Paper III and also examine the ways in which texts take part in and are produced by urgent issues of a time.
	Compulsory	PAPER 2: English-II	The aim of this course is to provide the student an opportunity to read and respond to representations of issues in contemporary life and culture in the English language. The selection of texts is aimed to present themes and topics that are stimulating, insightful and informative
	General (Alt. English)	PAPER 2: Drama	This paper acquaints students with some recommended dramas.
3 <sup>rd</sup> Semester	Major	PAPER 5: The Social and Literary Context: The Victorian World	This paper seeks to acquaint students with the contexts of the English literary tradition as it develops in the Victorian age. Students are expected to study the social and literary history of the Victorian world as a necessary preparation for the texts that they will encounter in Paper VI.

<b>Semester</b>	<b>Course</b>	<b>Paper</b>	<b>Outcome</b>
	Major	PAPER 6: Victorian Poetry and Fiction	Students will here encounter the poetry that is characteristic of the Victorian period – forms like the dramatic monologue, the love poem, pre-Raphaelite experiments and the beginnings of modern poetic experience in Hopkins. They will also find examples of the great Victorian fiction that closely followed the social concerns of the period and experimented with narrative voice and perspective.
	General (Alt. English)	PAPER 3: Fiction	This paper acquaints students with some recommended fictional writings..
4 <sup>th</sup> Semester	Major	PAPER 7: The Social and Literary Context: Modernism and After:	This paper will acquaint students with the circumstances that shaped the processes of literary production from the twentieth century to the present.
	Major	PAPER 8: English Poetry and Fiction: Modernism and After	This paper brings to the student a selection of the poetry and fiction of the modern and postmodern eras that is representative of important trends, critical shifts and formal experimentation. In keeping with the internationalization associated with these cultural phases the selection is no longer strictly British but includes examples from other literary cultures like the American and the Latin American.
	General (Alt. English)	PAPER 4: Non-Fictional Prose	This paper acquaints students with some recommended non-fictional writings.
5 <sup>th</sup> Semester	Major	PAPER 9 : Drama: Theory and Practice- I	This paper will introduce students to 20th century English and European drama. It is to be noted that by the turn of the century, the European avant-garde had completely altered the theatre – which at this juncture, seems to become a pan-European phenomenon, with stylistic/technical innovations and thematic experimentation. In the early phase of this period, realism is the dominant technique, and is then followed by radical turns away from it. Students are expected to acquaint themselves with the European historical and cultural situation in this period to read the prescribed theoretical texts in Section I and the plays in Section II.
	Major	PAPER 10: Drama: Theory and Practice -II	The epoch of modern drama marks the proliferation of avant-garde theory within the theatre making it self-conscious, and experimental. The impact of contemporary philosophy, ideas and art movements like existentialism, expressionism, impressionism, Marxism and the Absurd reverberates in modern drama. These innovations, both in form and content co-exist alongside the revival of earlier forms like the poetic drama. Students are expected to approach the texts in this paper in the light of the ideas, issues and texts in Paper 9.

<b>Semester</b>	<b>Course</b>	<b>Paper</b>	<b>Outcome</b>
	Major	PAPER 11: The Essay in English: Addison to Dickens	This paper introduces students to the literary form of the essay through a selection of representative texts from the 18th and 19th centuries. Students will have to acquaint themselves with the development of the form from the time of Francis Bacon (1561-1626), and examine the emergence of the periodical essay in the 18th century in the hands of Addison and Steele particularly because of favourable conditions like the increase in literacy rates and the appearance of a large number of periodicals which provided a forum for the articulation of views on a variety of topics. The essays are to be studied in relation to the wider political, social, and cultural context while noting the variety of themes that have been treated in the genre as also the diversity of styles of writing from the personal, intimate note of Lamb which is in keeping with the subjective thrust of Romantic literature to the detached, argumentative strain of later times.
	Major	PAPER 12: The Essay in English: The Twentieth Century	This paper will introduce students to developments in the genre of the essay in the 20th century. Students will note how the genre has adapted in order to address a variety of contemporary issues and become the vehicle for representing personal experiences, moved into literary, social, and cultural criticism and engaged in polemic and persuasion. The essays are to be read against their intellectual and socio-cultural background, noting the shift away from the elevated, literary, and classical style of earlier times to a general tendency towards factual and referential writing and a style more direct, immediate, and colloquial.
	Major	PAPER 13: Life Writing: Biographies, Memoirs and Letters	This paper will enable the students to appreciate the element of narrativization in seemingly linear, transparent, straight forward accounts of lives of significant people set down in memoirs, biographies and letters. The student will hopefully appreciate the 'literary' or constructed nature of life-writing purportedly telling nothing but the truth, as also note the 'textual' nature of all lives- that these lives in a way are re-made for each succeeding generation of readers through the act of transmission/ telling.
	Major	PAPER 14: Women's Writing	This paper on writing by women introduces students to a body of literature that has emerged with growing feminist awareness of women's lives and their representation. It invites students to examine how women's texts pay attention to the historical and political conditions of their times, to the status and condition of women and to the ways in which they embody a politics of resistance.

<b>Semester</b>	<b>Course</b>	<b>Paper</b>	<b>Outcome</b>
6 <sup>th</sup> Semester	Major	PAPER 15: Literary Criticism	This paper acquaints students with some of the key ideas of Western literary criticism from Graeco- Roman antiquity to the modern period and expects them to examine the implications of ideas (e.g. mimesis or imagination), and orientations (classicism, romanticism and modernism) that have marked the history of literary criticism. The paper is designed to present students with the opportunity to study key concepts associated with the names of significant thinkers in this history. The paper comprises two parts, Section I dealing with concepts from Graeco-Roman antiquity and Section II with the early modern, neoclassical, Romantic and Victorian criticism.
	Major	PAPER 16: Twentieth Century Criticism and Theory	This paper introduces students to key ideas and texts that will familiarize students with the intellectual shifts in the reading of culture, language and literature in the 20th century and the emergence of Theory and acquaint them with common concepts and notions that, they are likely to encounter in the reading of theory. The paper has three sections, Section I dealing with ideas and concepts of 20th century criticism, Section II with ideas associated with movements like structuralism, poststructuralism, psychoanalytical criticism, feminism, new historicism and postcolonialism and Section III containing critical overviews.
	Major	PAPER 17: Nature	This paper seeks to explore the process through which language and literature – as manifestations of culture – are produced by the interconnections between both nature and culture; it addresses nature not just as a passive background in literary texts but as a central presence determining the dynamic interpretations of the text itself.
	Major	PAPER 18: Western Mythology: Introducing Classical, Judaic & Christian Myth	This course is an introduction to the study of Classical and Judeo-Christian myth and their recurrence in later social, historical, cultural and literary contexts. It is expected to provide a gateway to the reception of mythical ideas and images in western art and literary cultures.
	Major	PAPER 19 and 20 (Optional Papers):	.

Semester	Course	Paper	Outcome
		Option A: Indian English Literature	The two papers in this Option introduce students to the distinctive literature produced in India in the wake of English education, first under British colonial rule and then after independence. Since there has been a distinction made in the study of this literature between pre and post independence concerns, this is an element that should be kept in mind while studying the texts in this paper. At the same time, given the student's present location in modern India an attempt has to be made to place texts in this context and read them in the light of the historical, cultural and political circumstances of their production. A conception of modern India along with some preliminary knowledge of the politics of British ideas about the entity India is desirable for entry into and understanding of the area that has come to be called Indian English Literature
		Option B: American Literature	Papers 19 and 20 (Option B) introduce students to the distinctive flavour of American Literature. Students will be expected to have a broad overview of the historical development of this literature and study texts against their socio-historical contexts.
		Option C: Women and Literature Option	Women and Literature I and II seek to familiarize students with literature written by women and to acquaint them with feminist theory so as to make available the necessary interpretive apparatus to read such texts.
		D: English Language and Linguistics	This paper, divided into two sections, seeks to introduce students to Linguistics as the scientific study of language and to familiarize them with its different branches as well as its key concepts.
		Option E: African Literature in English	In the essay "The African Writer and the English Language" Chinua Achebe noted that the writers' gathering at Makerere rather pompously called "A Conference of African Writers of English Expression" failed to come to a conclusion about a clear definition of the term "African Literature". It's a long time since that 1962 conference, and African literature, particularly in the English language, has made its presence felt in all the continents of the world. Because of our shared experience of European colonialism and other similarities such as the multi-ethnic and multi-linguistic scenes in Africa and India, Indian students of English literature can relate to African writing quite easily. In keeping with the growing interest in African literature in English departments across the world, the B.A. syllabus offers an optional course in African literature.
		Option F: Book into Film	This paper would have the students analyze the mechanics of adaptation involved in translating the written script/text into the audio-visual.

### Subject: History

Semester	Course	Paper	Outcome
1 <sup>st</sup> Semester	Major	Introduction to History	To impart knowledge regarding basic concept of History.
	Major	History of India (up to A. D. 300)	After the completion of this paper, the students will be able to explore and effectively use historical tools in reconstructing the remote past of ancient Indian pre and proto history. The course will also train the students to analyse the various stages of evolution of human cultures and the belief systems in the proto- history period.
	General	Early India up to 1200 A.D.	To acquaint the students regarding early history of Indian up to 1200 AD.
2 <sup>nd</sup> Semester	Major	History of India (300-1200 A. D.)	After the completion of this paper, the students will be able to explore and effectively use historical tools in reconstructing the remote past of ancient Indian pre and proto history. The course will also train the students to analyse the various stages of evolution of human cultures and the belief systems in the proto- history period.
	Major	History of Ancient Civilizations of the World	After the completion of this paper, the students will be able to explain the processes and stages of the evolution of the variety of cultural pattern throughout antiquarian periods in History. They will be able to relate the connections between the various Bronze Age civilizations in the ancient world as well as development of slave and polis societies in ancient Greece.To acquaint the students regarding ancient civilisation of the world.
	General	Early Assam up to 1228 A. D.	This paper will give a general outline of the history of Assam from the earliest times to the advent of the Ahoms in the 13th century. Upon completion, students will be acquainted with major stages of developments in the political, social and cultural history of Assam during the early times.
3 <sup>rd</sup> Semester	Major	India under the Turko-Afghans	This paper will give a general outline of Indian History under the Turko-Afghan period.
	Major	History of Assam (5th Century A. D. to 1228)	This paper will give a general outline of the history of Assam from the earliest times to the advent of the Ahoms in the 13th century. Upon completion, students will be acquainted with major stages of developments in the political, social and cultural history of Assam during the early times.
	General	History of India (1206-1526)	After completion of this course students will be able to explain the political and administrative history of medieval period of India from 1206 to 1550 AD. They will also be able to analyse the sources of history, regional variations, social, cultural and economic set up of the period.
	General	History of Assam (1228-1826)	On completion of this paper, students will be able to identify major stages of developments in the political, social and cultural history of Assam during the medieval times. This paper will enable the student to explain 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.

Semester	Course	Paper	Outcome
4 <sup>th</sup> Semester	Major	India Under the Mughals	This paper will give a general outline of Indian History under Mughals.
	Major	History of Europe (1453-1789)	This paper will throw a light regarding History of Europe from 1453 to 1789.
	General	History of India (1526-1757)	At the completion of this course, the students will be able to analyse the circumstances and historical shifts and foundations of a variety of administrative and political setup in India between c.1550-1605. They will also be able to describe the The students will also be able to explain and reconstruct the linkages of the history of India under the Mughal Rule. As a whole, this course will enable them to relate to the socio-economic and religious orientation of the people of Medieval period in India.
	General	History of Europe (1453-1815)	This paper will throw a light regarding History of Europe from 1453 to 1815
5 <sup>th</sup> Semester	Major	India under the East India Company	This paper will give a general outline of Indian History during East India Company.
	Major	History of Assam (1228-1826)	On completion of this paper, students will be able to identify major stages of developments in the political, social and cultural history of Assam during the period 1228-1826.
	Major	History of Europe (1789-1870)	After the completion of this course, the students will be able to analyse the historical developments in Europe between c.1780 to 1939. As the course structure of this paper focuses on the democratic and socialist foundations modern Europe, the students will be able to situate the historical development of working class movements, socialist upsurge and the economic forces of the two wars and the other ideological shifts of Europe in the period.
	Major	History of Science and Technology in Pre-Colonial India	To acquaint the students regarding History of Science and Technology in Pre-Colonial India.
	Major	History of Great Britain (1485-1820)	This paper will throw a light regarding History of Great Britain from 1485 to 1820.
	Major	History of China (1839-1949)	This paper will throw a light regarding History of China from 1839 to 1949.
	General	History of India (1757-1857)	Upon completion of this course, students will be able to understand the major factors that led to the establishment and consolidation of British rule in India. They will also be able to identify the process of growth of resistance against British colonial rule and the eventual growth of Indian nationalist movement, which ultimately led to the end of the British rule in the country.
	General	History of Europe (1815-1945)	This paper will throw a light regarding History of Europe from 1815 to 1945.
6 <sup>th</sup> Semester	Major	India under the Crown	The aim of this paper is to impart knowledge regarding Indian history after 1858.

Semester	Course	Paper	Outcome
	Major	History of Assam (1826-1947)	Upon completion of this course, students will be able to describe the period of British rule in Assam after its annexation by the imperialist forces. They will also be able to situate the development of nationalism in Assam and its role in India's freedom struggle. The course would enable the students to analyse the main currents of the political and socioeconomic developments in Assam during the colonial period.
	Major	History of Europe (1871-1945)	This paper will throw a light regarding History of Europe from 1871 to 1945.
	Major	World since 1945	This paper will throw a light regarding world history since 1945.
	Major	History of Japan (1853-1941)	This paper will throw a light regarding History of Japan from 1853 to 1941.
	Major	Project	To habituate the students regarding 'Learning by Doing'.
	General	History of India (1857-1947)	Upon completion of this course, students will be able to understand the major factors that led to the establishment and consolidation of British rule in India. They will also be able to identify the process of growth of resistance against British colonial rule and the eventual growth of Indian nationalist movement, which ultimately led to the end of the British rule in the country.
	General	History of Assam (1826-1947)	Upon completion of this course, students will be able to describe the period of British rule in Assam after its annexation by the imperialist forces. They will also be able to situate the development of nationalism in Assam and its role in India's freedom struggle. The course would enable the students to analyse the main currents of the political and socioeconomic developments in Assam during the colonial period.

### Subject: Folklore

Semester	Course	Paper	Outcome
1 <sup>st</sup> Semester	General	PAPER-I: Introduction to Folklore	This paper will introduce the definition and scope of folklore, Methods of folklore study. This paper will also cover history of folklore studies with special reference to India.
2 <sup>nd</sup> Semester	General	Paper I: Folk literature of Assam	This paper will cover folk literature of Assam. It will give focus on classification of non-narrative genres of folk literature of the Assamese and tribal communities.
3 <sup>rd</sup> Semester	General	Paper I: Cultural Situation in Assam	This paper will introduce basic ethnography of Assam as a background of folklore.
	General	Paper II: Folk Literature of Assam: Narrative Genre	This paper covers folk narratives of Assam. The main focus is on Assamese and tribal language material.
4 <sup>th</sup> Semester	General	Paper I: Material Culture	This paper deals with material culture.

<b>Semester</b>	<b>Course</b>	<b>Paper</b>	<b>Outcome</b>
	General	Paper II: Social Folk Customs	This paper deals with the concepts of customs and customs of the communities of Assam.
5 <sup>th</sup> Semester	General	Paper I: Folk Religion	This paper will introduce folk religions of Hindu caste and Muslims and some tribes of Assam.
	General	Paper II: Theory I	This paper will give a preliminary introduction to folklore theory.
6 <sup>th</sup> Semester	General	Paper I: Theory II	This paper will introduce the major theories of folklore at the advanced level.
	General	Paper II: Research Methodology and Field Report	This paper will consist of two parts. The first part will deal with research methodology and the second part will contain 50 marks for preparing report based on field work on a selected community.

### Subject: Philosophy

Semester	Course	Paper	Outcome
1 <sup>st</sup> Semester	Major	Indian Philosophy I	To impart knowledge regarding Indian Philosophy.
	Major	Logic –I	To enlarge reasoning power of students.
	General	Epistemology	To give idea regarding the theory of knowledge, especially with regard to its methods, validity, and scope, and the distinction between justified belief and opinion.
2 <sup>nd</sup> Semester	Major	Greek Philosophy	To impart knowledge regarding Greek Philosophy.
	Major	Logic II	To enlarge reasoning power of students.
	General	Metaphysics	To develop idea regarding the first principles of things, including abstract concepts such as being, knowing, identity, time, and space.
3 <sup>rd</sup> Semester	Major	Western Philosophy: Descartes to Hegel	To impart knowledge regarding Philosophical concepts of philosophers from Descartes to Hegel.
	Major	Indian Philosophy II	To impart knowledge regarding Indian Philosophy.
	General	Logic	To enlarge reasoning power of students.
4 <sup>th</sup> Semester	Major	Ethics	To acquaint the students regarding moral principles that govern a person's behaviour or the conducting of an activity.
	Major	Contemporary Indian Philosophy	To impart knowledge regarding Contemporary Indian Philosophy.
	General	Ethics	To acquaint the students regarding moral principles that govern a person's behaviour or the conducting of an activity.
5 <sup>th</sup> Semester	Major	Contemporary Western philosophy I	To impart knowledge regarding Contemporary Western Philosophy.
	Major	Ethics I	To acquaint the students regarding moral principles that govern a person's behaviour or the conducting of an activity.
	Major	Ethics II	To acquaint the students regarding moral principles that govern a person's behaviour or the conducting of an activity.
	Major	Contemporary Indian Philosophy	To impart knowledge regarding Contemporary Indian Philosophy.
	Major	Epistemology	To give idea regarding the theory of knowledge, especially with regard to its methods, validity, and scope, and the distinction between justified belief and opinion.
	Major		
	General	Indian Philosophy	To impart knowledge regarding Indian Philosophy.
6 <sup>th</sup> Semester	Major	Metaphysics	To develop idea regarding the first principles of things, including abstract concepts such as being, knowing, identity, time, and space.
	Major	Contemporary Western philosophy II	To impart knowledge regarding Contemporary Western Philosophy.
	Major	Social Philosophy	To impart knowledge about social behaviour and interpretations of society and social institutions in terms of ethical values rather than empirical relations.
	Major	Philosophy of Religion	To impart knowledge regarding philosophical concepts of religions.
	Major	Comparative Religion	To provide comparative study of various religions of the world.
	Major	Project	To habituate the students regarding 'Learning by Doing'.

<b>Semester</b>	<b>Course</b>	<b>Paper</b>	<b>Outcome</b>
	General	Social philosophy	To impart knowledge about social behaviour and interpretations of society and social institutions in terms of ethical values rather than empirical relations.
	General		

**Subject: Political Science**

<b>Semester</b>	<b>Course</b>	<b>Paper</b>	<b>Outcome</b>
1 <sup>st</sup> Semester	Major	Political Theory-I	This course is divided into two sections. Section A introduces the students to the idea of political theory, its history and approaches, and an assessment of its critical and contemporary trends. Section B is designed to reconcile political theory and practice through reflections on the ideas and practices related to democracy.
	Major	Politics in India-I	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.
	General	Political Theory-I	This course is divided into two sections. Section A introduces the students to the idea of political theory, its history and approaches, and an assessment of its critical and contemporary trends. Section B is designed to reconcile political theory and practice through reflections on the ideas and practices related to democracy.
2 <sup>nd</sup> Semester	Major	Political Theory-II	This course is divided into two sections. Section A 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. Section B 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.
	Major	Politics in India-II	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.

Semester	Course	Paper	Outcome
	General	Political Theory-II	This course is divided into two sections. Section A 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. Section B 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.
3 <sup>rd</sup> Semester	Major	International Relations-I	This Course is designed to give students a sense of some important theoretical approaches to understand international relations; a history from 1945 onwards to the present; and an outline of the evolution of Indian foreign policy since independence and its possible future trajectory.
	Major	Public Administration-I	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.
	General	International Relations -I	This Course is designed to give students a sense of some important theoretical approaches to understand international relations; a history from 1945 onwards to the present; and an outline of the evolution of Indian foreign policy since independence and its possible future trajectory.
	General	Politics in India-I	This course introduces the specific elements of Indian Political Thought spanning over two millennia. The basic focus of study is on individual thinkers whose ideas are however framed by specific themes. The course as a whole is meant to provide a sense of the broad streams of Indian thought while encouraging a specific knowledge of individual thinkers and texts. Selected extracts from some original texts are also given to discuss in class. The list of additional readings is meant for teachers as well as the more interested students.

Semester	Course	Paper	Outcome
4 <sup>th</sup> Semester	Major	International Relations-II	This course introduces students to the key debates on the meaning and nature of globalization by addressing its political, economic, social, cultural and technological dimensions. In keeping with the most important debates within the globalization discourse, it imparts an understanding of the working of the world economy, its anchors and resistances offered by global social movements while analyzing the changing nature of relationship between the state and trans-national actors and networks. The course also offers insights into key contemporary global issues such as the proliferation of nuclear weapons, ecological issues, international terrorism, and human security before concluding with a debate on the phenomenon of global governance.
	Major	Public Administration-II	The paper seeks to provide an introduction to the interface between public policy and administration in India. The essence of public policy lies in its effectiveness in translating the governing philosophy into programs and policies and making it a part of the community living. It deals with issues of decentralization, financial management, citizens and administration and social welfare from a non-western perspective.
	General	International Relations-II	This course introduces students to the key debates on the meaning and nature of globalization by addressing its political, economic, social, cultural and technological dimensions. In keeping with the most important debates within the globalization discourse, it imparts an understanding of the working of the world economy, its anchors and resistances offered by global social movements while analyzing the changing nature of relationship between the state and trans-national actors and networks. The course also offers insights into key contemporary global issues such as the proliferation of nuclear weapons, ecological issues, international terrorism, and human security before concluding with a debate on the phenomenon of global governance.
	General	Politics in India -II	Based on the study of individual thinkers, the course introduces a wide span of thinkers and themes that defines the modernity of Indian political thought. The objective is to study general themes that have been produced by thinkers from varied social and temporal contexts. Selected extracts from original texts are also given to discuss in the class. The list of additional readings is meant for teachers as well as the more interested students.
5 <sup>th</sup> Semester	Major	Western Political Thinkers	To impart knowledge regarding western political thinkers.
	Major	Select Constitutions-I	To have a comparative study of various constitutions of some selected democratic countries of the world.
	Major	Politics in North-East India	To throw light on political scenario of North-East India.
	Major	Women and Politics	To know political participation of women and different hurdles relating to the area.

Semester	Course	Paper	Outcome
	Major	Rural Local Governance	This course acquaints students with the Panchayati Raj Institutions and their actual working. It further encourages a study of PRIs in their mutual interaction and their interaction with the people.
	Major	Human Rights	This course aims to understand law as a source of rights, as a progressively widening sphere of substantive justice, welfare, and dignity. This relationship between laws and rights will be studied through specific values which have come to be seen as integral for a democratic society viz., equality and non-discrimination, empowerment, redistribution and recognition of traditional rights etc.
	General	Public Administration -I	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.
	General	Select Constitutions-I	To have a comparative study of various constitutions of some selected democratic countries of the world.
6 <sup>th</sup> Semester	Major	Indian Political Thinkers	To impart knowledge regarding Indian political thinkers.
	Major	Select Constitutions-II	To have a comparative study of various constitutions of some selected democratic countries of the world.
	Major	Politics in North-East India	To throw light on political scenario of North-East India.
	Major	Women and Politics in India	To know political participation of women and different hurdles relating to the area with special reference to India.
	Major	Urban Local Governance	To give idea regarding grass-root democracy prevailing in urban local governance.
	Major	Human Rights in India	This course aims to understand law as a source of rights, as a progressively widening sphere of substantive justice, welfare, and dignity. This relationship between laws and rights will be studied through specific values which have come to be seen as integral for a democratic society viz., equality and non-discrimination, empowerment, redistribution and recognition of traditional rights etc.
	General	Public Administration-II	The paper seeks to provide an introduction to the interface between public policy and administration in India. The essence of public policy lies in its effectiveness in translating the governing philosophy into programs and policies and making it a part of the community living. It deals with issues of decentralization, financial management, citizens and administration and social welfare from a non-western perspective.

<b>Semester</b>	<b>Course</b>	<b>Paper</b>	<b>Outcome</b>
	General	Select Constitutions-II	To have a comparative study of various constitutions of some selected democratic countries of the world.

**Subject: Commerce**

<b>Semester</b>	<b>Course</b>	<b>Paper</b>	<b>Outcome</b>
1 <sup>st</sup> Semester	General	101: Business Mathematics	The objective of this paper is to enable the students to have such minimum knowledge of Mathematics as is applicable to business and economic situations.
	General	101: Fundamentals of Insurance	To develop on understanding among students about principles of insurance and its usefulness in business along with its regulatory framework.
	Core	102: Financial Accounting-I	The objective of this paper is to help students to acquire conceptual knowledge of the Financial Accounting and to impart skills for recording various kinds of business transactions.
	Core	103: Business Organization & Entrepreneurship Development	The course aims to provide basic knowledge to the students about the organisation and management of a business enterprise.
	Core	104: Indian Financial System	The objective of this paper is to give students an overview of the Indian Financial System.
	Major	105 (A): Cost Accounting	This is a specialised paper in Accountancy. This paper will help the students to acquire conceptual knowledge of the Cost Accounting.
	Major	105 (M): Human Resource Management-I	This is a specialised paper in Management. This paper will help the students to acquire knowledge and skills regarding efficient management of Human Resources in a business organisation.
	Major	105 (F): Rural and Micro Finance	This is a specialised paper in Finance. This paper will help the students to acquire knowledge about Rural and Micro Finance sector.
2 <sup>nd</sup> Semester	General	201: Communicative And Functional English-I	To equip students effectively to acquire skills in reading, writing, comprehension and communication, as also to use electronic media for business communication in English.
	General	201 : Functional MIL-I : Assamese	To equip students effectively to acquire skills in reading, writing, comprehension and communication, as also to use electronic media for business communication in Assamese.
	General	201 : Functional MIL-I : Bengali	To equip students effectively to acquire skills in reading, writing, comprehension and communication, as also to use electronic media for business communication in Bengali.
	Core	202: Financial Accounting-II	The objective of this paper is to help students to acquire conceptual knowledge of the Financial Accounting and to impart skills for recording various kinds of business transactions.
	Core	203: Principles of Management	The objective of the course is to impart basic knowledge regarding the basic principles of management which will help students in effective and efficient management of a business.
	Core	204: Business Statistics	The objective of this course is to familiarize students with the applications of statistical techniques in business decision-making.

Semester	Course	Paper	Outcome
	Major	205: (A) Management Accounting	This is a specialised paper in Accountancy. This paper will help the students to acquire conceptual knowledge of the Management Accounting.
	Major	205 (M): Human Resource Planning Development	This is a specialised paper in Management. This paper will help the students to acquire knowledge and skills for planning and development of Human Resources in a business organisation.
	Major	205 (F): Micro Credit Institutions	This is a specialised paper in Finance. This paper will help the students to acquire knowledge on how Micro Credit Institutions function.
3 <sup>rd</sup> Semester	General	301: Environmental Studies	The objective of this paper is to aware the students about the various issues regarding our environment.
	General	302: Communicative and Functional English-II	To equip students effectively to acquire skills in reading, writing, comprehension and communication, as also to use electronic media for business communication in English.
	General	302: Functional MIL-II : Assamese	To equip students effectively to acquire skills in reading, writing, comprehension and communication, as also to use electronic media for business communication in Assamese.
	General	302: Functional MIL-II : Bengali	To equip students effectively to acquire skills in reading, writing, comprehension and communication, as also to use electronic media for business communication in Bengali.
	Core	303: Corporate Accounting	To help the students to acquire the conceptual knowledge of the corporate accounting and to learn the techniques of preparing the financial statements.
	Core	304: Direct Taxes	This paper provides knowledge about the direct taxation.
	Core	305: Corporate Law	The objective of the course is to impart basic knowledge of the provisions of the Companies Act 2013 and the Depositories Act, 1996. Case studies involving issues in corporate laws are required to be discussed.
	Major	306 (A): Advanced Corporate Accounting	This is a specialised paper in Accountancy. This paper will help the students to acquire advanced knowledge of the Corporate Accounting.
	Major	306 (M): Industrial Relations & Labour Laws	This is a specialised paper in Management. This paper will impart knowledge among the students regarding the industrial relations and labour laws that are essential for smooth functioning of a business organisation.
	Major	306 (F): Financial Institutions & Markets	This is a specialised paper in Finance. This paper will help the students to acquire knowledge about the various types of financial institutions and markets as well as their structures, features, advantages and limitations.

Semester	Course	Paper	Outcome
4 <sup>th</sup> Semester	General	401: Business Economics	The objective of this paper is to enable the students to have such minimum knowledge of Mathematics as is applicable to business and economic situations.
	Core	402: Auditing & Assurance	This paper will provide knowledge about the process, steps and regulations regarding auditing and assurance.
	Core	403: Indirect Taxation	This paper provides knowledge about the indirect taxation.
	Core	404: Financial Services	This paper acquaints the students with the financial services provided by various bodies and organisation such as banks, credit institutions etc.
	Major	405 (A): Advanced Accounting	This is a specialised paper in Accountancy. This paper will help the students to acquire advanced knowledge of Accounting.
	Major	405 (M): Cost and Management Accounting	This is a specialised paper in Management. This paper will impart knowledge among the students regarding effective cost management and accounting.
	Major	405 (F): International Banking	This is a specialised paper in Finance. This paper will help the students to acquire knowledge about international banking system.
5 <sup>th</sup> Semester	General	501: Business Environment	This paper acquaints the students with knowledge regarding the various factors that affect the environment for business.
	Core	502: Marketing Management	This paper enables the students to understand the factors which affect the marketing strategies and effectively manage the marketing of products and services.
	Core	503: Financial Management	This paper acquaints the students with the minimum knowledge required for efficient financial management of a business organisation.
	Core	504: Regulatory Framework of Business-I	This paper acquaints the students with information regarding the rules, laws and regulatory bodies that frame the business regulations in India.
	Major	505 (A): Financial Statement Analysis	This paper enables the students to analyse the various types of financial statements.
	Major	505 (M): Customer Relations & Retail Trade Management	This paper acquaints the students with knowledge for effectively handling Customer Relations & management of Retail Trade.
	Major	505 (F): International Trade	This paper acquaints the students with knowledge regarding rules, regulations and Acts for carrying out International Trade.
6 <sup>th</sup> Semester	General	601: Information Technology in Business	This paper acquaints the students with knowledge regarding use of Information Technology in Business and Commerce.
	Core	602: Marketing of Service	This paper acquaints the students with skills for effectively marketing services by providing them with knowledge regarding the factors affecting market and strategies for efficient marketing of services in a particular market.
	Core	603: Modern Banking Practices	This paper will equip students with knowledge about the banking regulations, Acts, types of banks and types of banking services available in the modern era.

<b>Semester</b>	<b>Course</b>	<b>Paper</b>	<b>Outcome</b>
	Core	604: Regulatory Framework of Business-II	This paper acquaints the students with information regarding the rules, laws and regulatory bodies that frame the business regulations in India.
	Major	605: Project Report	Students have to prepare a Field Study Report on any topic of Commerce, Economics, Business, Industry or Services Sector under the guidance of a faculty member.

### Subject: Botany

Semester	Course	Paper	Outcome
1 <sup>st</sup> Semester	Major	M-101 (T): Plant Kingdom, Algae and Fungi	To learn plant kingdom, algae and fungi.
	Major	M-102 (T): Bryophytes and Pteridophytes	To develop knowledge regarding vascular and non-vascular plants.
	Major	M-103 (P): Practical	To develop skill level of the students.
	General	E-101 (T): Diversity of Microbes and Cryptogams	To enlarge knowledge of the students regarding diversity of microbes and cryptogams.
2 <sup>nd</sup> Semester	Major	M-201 (T): Gymnosperms, Paleobotany and Plant Anatomy	To learn regarding Gymnosperms, Paleobotany and Plant Anatomy.
	Major	M-202 (T): Cell Biology	To develop knowledge level regarding Cell Biology.
	Major	M-203 (P): Practical	To develop skill level of the students.
	General	E-201 (T): Cell Biology and Genetics	To give knowledge on cell biology and genetics.
3 <sup>rd</sup> Semester	Major	M-301 (T): Ecology, Plant Geography, Evolution	To learn regarding Ecology, Plant Geography, Evolution.
	Major	M-302 (T): Instrumentation and Laboratory Techniques	To develop skill level of the students on Instrumentation and Laboratory Techniques.
	Major	M-303 (P): Practical	To develop skill level of the students.
	General	E-301 (T): Diversity of Seed Plants and their Systematic	To learn regarding Diversity of Seed Plants and their Systematic.
	General	E-302 (P): Practical	To develop skill level of the students.
4 <sup>th</sup> Semester	Major	M-401 (T): Morphology, Palynology, Embryology of Angiosperms	To acquaint the students on Morphology, Palynology, Embryology of Angiosperms.
	Major	M-402 (T): Plant Taxonomy	To acquaint on Plant Taxonomy.
	Major	M-403 (P): Practical	To develop skill level of the students.
	General	E-401 (T): Plant Physiology and Biochemistry	To enlarge knowledge regarding Plant Physiology and Biochemistry.
	General	E-402 (P): Practical	To develop skill level of the students.
5 <sup>th</sup> Semester	Major	M-501 (T): Microbiology and Immunology	To throw light on Microbiology and Immunology.
	Major	M-502 (T): Plant Pathology and Lichen	To acquaint the students on Microbiology and Immunology.
	Major	M-503 (T): Cytogenetics, Plant Breeding and Biometrics	To enlarge students' knowledge on Cytogenetics, Plant Breeding and Biometrics.
	Major	M-504 (T): Applied Botany	To know the students regarding applicability of Botany.
	Major	M-505 (P): Practical	To develop skill level of the students.
	Major	M-506 (P): Practical	To develop skill level of the students.

<b>Semester</b>	<b>Course</b>	<b>Paper</b>	<b>Outcome</b>
	General	E-501 (T): Structure, Development and Reproduction in Flowering Plants	To develop skill level on Structure, Development and Reproduction in Flowering Plants.
	General	E-502 (P): Practical	To develop skill level of the students.
6 <sup>th</sup> Semester	Major	M-601 (T): Molecular Biology and Plant Biochemistry	To have a knowledge on Molecular Biology and Plant Biochemistry.
	Major	M-602 (T): Bioinformatics, Computer Application and Biotechnology	To develop skill level on Bioinformatics, Computer Application and Biotechnology.
	Major	M-603 (T): Plant Physiology	To provide knowledge on Plant Physiology.
	Major	M-604 (T): Plant Resource Utilization	To know about Plant Resource Utilization.
	Major	M-605 (P): Practical	To develop skill level of the students.
	Major	M-606 (P): Project	To develop skill level through 'learning by doing'.
	General	E-601 (T): Ecology and Utilization of Plants	To know about Ecology and Utilization of Plants.
	General	E-602 (P): Practical	To develop skill level of the students.

### Subject: Chemistry

Semester	Course	Paper	Outcome
1 <sup>st</sup> Semester	Major	M-101: Physical Chemistry	In gaseous state unit the students will learn the kinetic theory of gases, ideal gas and real gases. In liquid state unit, the students are expected to learn the qualitative treatment of the structure of liquid along with the physical properties of liquid, viz, vapour pressure, surface tension and viscosity. In the molecular and crystal symmetry unit they will be introduced to the elementary idea of symmetry which will be useful to understand solid state chemistry and group theory in some higher courses. In solid state unit the students will learn the basic solid state chemistry application of x-ray crystallography for the determination of some very simple crystal structures. The students will also learn another important topic "ionic equilibria" in this course.
	Major	M-102: Organic Chemistry	Students will be able to identify different classes of organic compounds, describe their reactivity and explain/analyze their chemical and stereo chemical aspects.
	Major	M-103: Practical	This paper will enable students to carryout General experiments.
	General	E-101: General Chemistry	This paper acquaints the students regarding Structure of matter, Covalent bonding, Ionic bonding and intermolecular forces and States of matter.
2 <sup>nd</sup> Semester	Major	M-201: Physical Chemistry	In this course the students are expected to learn laws of thermodynamics, thermochemistry, thermodynamic functions, relations between thermodynamic properties, Gibbs Helmholtz equation, Maxwell relations etc. Moreover the students are expected to learn partial molar quantities, chemical equilibrium, solutions and colligative properties. After completion of this course, the students will be able to understand the chemical systems from thermodynamic point of view.
	Major	M-202: Organic Chemistry	Students will be able to describe and classify organic compounds in terms of their functional groups and reactivity.
	Major	M-203: Practical (Qualitative Organic Analysis)	Analysis of an organic compound & identification by a) Detection of N, S, Halogens b) Test for functional groups c) Solubility, melting point, boiling point d) Preparation of a derivative and determination of its melting point.
	General	E-201: General Chemistry	This paper acquaints the students regarding Hydrocarbons, Chemical Thermodynamics and Phase Rule.
3 <sup>rd</sup> Semester	Major	M-301: Structure and Bonding	This paper acquaints the students regarding structure and bonding of elements and compounds.
	Major	M-302: Structure and Bonding	This paper acquaints the students regarding structure and bonding of elements and compounds.
	Major	M-303: Practical (Qualitative Inorganic Analysis)	This paper will enable students to carryout experiments regarding analysis of a mixture of salts containing total of five cations and anions including insoluble salts and interfering anions.

Semester	Course	Paper	Outcome
	General	E-301: General Chemistry	This paper acquaints the students regarding Chemistry of non-transition elements, Transition elements and Electrochemistry.
	General	E-302: Practical	This paper will enable students to carryout General experiments and experiments for Qualitative Organic Analysis.
4 <sup>th</sup> Semester	Major	M-401: Inorganic Chemistry.	This paper acquaints the students regarding Properties of Inorganic Compounds and Chemistry of Non-transition Elements.
	Major	M-402:	This paper acquaints the students regarding Chemistry of Non-transition Elements, Chemistry of Metals and Transition Metals.
	Major	M-402: Practical	This paper will enable students to carryout general chemistry experiments and experiments regarding Inorganic Preparation.
	General	E-401: General Chemistry	This paper acquaints the students regarding Aliphatic and aromatic hydroxyl compounds and ethers, Aliphatic amines and aniline, Aliphatic and aromatic carbonyl compounds, Aliphatic and aromatic carboxylic acids, Amino acids, carbohydrates, fats and oils, Chemical kinetics and surface chemistry and Ionic equilibrium.
	General	E-402: Practical	This paper will enable students to carryout experiments for Qualitative Inorganic Analysis.
5 <sup>th</sup> Semester	Major	M-501: Quantum Chemistry	This paper acquaints the students regarding Quantum Chemistry.
	Major	M-502: Physical Chemistry	In this course the students will learn theories of conductance and electrochemistry. Students will also understand some very important topics such as solubility and solubility products, ionic products of water, conductometric titrations etc. The students are also expected to understand the various parts of electrochemical cells along with Faraday's Laws of electrolysis. The students will also gain basic theoretical idea of electrical & magnetic properties of atoms and molecules.
	Major	M-503: Organic Chemistry	Students will be able to explain/describe the important features of nucleic acids, amino acids and enzymes and develop their ability to examine their properties and applications.
	Major	M-504: Inorganic Chemistry	On successful completion, students would have clear understanding of the concepts related to atomic and molecular structure, chemical bonding, periodic properties and redox behaviour of chemical species. Students will also have hands on experience of standard solution preparation in different concentration units and learn volumetric estimation through acid-base and redox reactions.
	Major	M-505: Practical	This paper will enable students to carryout experiments for Inorganic Quantitative Analysis and Chromatographic separation of cations by paper/ TLC.
	Major	M-506: Practical	This paper will enable students to carryout experiments for Organic preparation and Organic quantitative analysis.
	General	E-501: General Chemistry	This paper acquaints the students regarding Chemistry of materials, Principles of chemical analysis, Principles and applications of spectroscopy, Nuclear chemistry and Lanthanides and actinides.
	General	E-502: Practical	This paper will enable students to carryout experiments regarding Physical Practical and Preparation of Organic compounds

Semester	Course	Paper	Outcome
6 <sup>th</sup> Semester	Major	M-601: Spectroscopy	This paper acquaints the students regarding spectroscopy.
	Major	M-602: Physical Chemistry	After completion of this course the students are expected to understand the application of quantum mechanics in some simple chemical systems such as hydrogen atom or hydrogen like ions. The students will also learn chemical bonding in some simple molecular systems. They will be able to understand the basics of various kinds of spectroscopic techniques and photochemistry.
	Major	M-603: Organic Chemistry	Students will be able to explain/describe basic principles of different spectroscopic techniques and their importance in chemical/organic analysis. Students shall be able to classify/identify/critically examine carbohydrates, polymers and dye materials.
	Major	M-604: Inorganic Chemistry	By studying this course the students will be expected to learn about how ligand substitution and redox reactions take place in coordination complexes. Students will also learn about organometallic compounds, comprehend their bonding, stability, reactivity and uses. They will be familiar with the variety of catalysts based on transition metals and their application in industry. On successful completion, students in general will be able to appreciate the use of concepts like solubility product, common ion effect, pH etc. in analysis of ions and how a clever design of reactions, it is possible to identify the components in a mixture. With the experiments related to coordination compound synthesis, calculation of $10Dq$ , controlling factors etc. will make the students appreciate the concepts of theory in experiments.
	Major	M-605: Practical	This paper will enable students to carryout experiments regarding Physical Chemistry.
	Major	M-606: Project	Student will complete a project work and then prepare a report on that.
	General	E-601: General Chemistry	This paper acquaints the students regarding Industrial Chemistry (Organic & Inorganic), Environmental Chemistry, Biological Chemistry and Natural products and medicines.
	General	E-602: Practical	This paper will enable students to carryout experiments regarding Physical Practical and Preparation of Inorganic compounds.

**Subject: Mathematics**

Semester	Course	Paper	Outcome
1 <sup>st</sup> Semester	Major	M-104: Algebra and Trigonometry	This paper acquaints the students regarding Relations, Equivalence relations, Groups, subgroups, Complex numbers, Relation between the roots and coefficients, Symmetric etc.
	Major	M-105: Calculus	This paper acquaints the students regarding Successive differentiation, Tangents and normals, Integrals, Rectification etc.
	General	E-101: Classical Algebra and Trigonometry	This paper acquaints the students regarding Inequalities, sequence and series, Trigonometry and Relation between roots and coefficients.
2 <sup>nd</sup> Semester	Major	M-204: Coordinate Geometry	This paper acquaints the students regarding Coordinates, Planes, Straight lines, Sphere, Cones, Cylinders etc.
	Major	M-205: Differential Equation	This paper acquaints the students regarding differential equations.
	General	E-201: Abstract Algebra and Matrices	This paper acquaints the students regarding Group Theory, Ring Theory and Matrices.
3 <sup>rd</sup> Semester	Major	M-304: Abstract Algebra	This paper acquaints the students regarding Homomorphism and Automorphisms.
	Major	M-305: Linear Algebra and Vector	This paper acquaints the students regarding Linear Algebra and Vector.
	General	E-303: Calculus: Methods and Applications	This paper acquaints the students regarding Differential Calculus.
4 <sup>th</sup> Semester	Major	M-404: Real Analysis	This paper acquaints the students regarding analysis of Real Number System.
	Major	M-405: Mechanics	This paper acquaints the students regarding Mechanics.
	General	E-403: Coordinate Geometry and Vector Analysis	This paper acquaints the students regarding Two dimensional geometry, Three dimensional geometry and Vector analysis.
5 <sup>th</sup> Semester	Major	M-501: Real and Complex Analysis	This paper acquaints the students regarding Limit and continuity of a function, Riemann integral, Improper integrals, Rectifiable curves etc.
	Major	M-502: Topology	This paper acquaints the students regarding topology.
	Major	M-503: Spherical Trigonometry and Astronomy	This paper acquaints the students regarding Spherical Trigonometry and Astronomy.
	Major	M-504: Rigid Dynamics	This paper acquaints the students regarding Rigid Dynamics.
	Major	M-505: Probability	This paper acquaints the students regarding Random experiment, Random variables, Mathematical expectation, probability distributions etc.
	Major	M-506: Optimization Theory	This paper acquaints the students regarding Partitioning of matrices, General linear programming problems, simplex method, duality, Transportation and Assignment problem etc.
	General	E-503: Statics and Dynamics	This paper acquaints the students regarding Statistics and Dynamics.

Semester	Course	Paper	Outcome
	General	E-504: Numerical Methods and Spherical Astronomy	This paper acquaints the students regarding Numerical Methods and Spherical Astronomy.
6 <sup>th</sup> Semester	Major	M-601: Hydrostatics	This paper acquaints the students regarding Hydrostatics.
	Major	M-602: Numerical Analysis	This paper acquaints the students regarding Normalized floating point representation, Calculus of finite difference, Numerical differentiation and integration, Solution of polynomial and transcendental equations etc.
	Major	M-603: Computer Programming in C	This paper acquaints the students regarding Computer Programming in C.
	Major	M-604: Discrete Mathematics	This paper acquaints the students regarding Divisibility theory, Congruence's, Diophantine equation, Number theoretic function, Propositional Calculus and Boolean Algebra.
	Major	M-605: Graph and Combinatorics	This paper acquaints the students regarding Elementary combinatorics, Varieties of Graphs, Connectivity, Travessability etc.
	Major	M-606: Project	Each candidate is required to complete any one project related to any area of the syllabus to be evaluated by internal and external examiners jointly through viva voce test.
	General	E-603: Linear Algebra and Complex Analysis	This paper acquaints the students regarding Definition and examples of vector spaces, linearly dependent and independent set, Linear mapping, Elementary transformation etc.
	General	E- 604: Advanced Calculus	This paper acquaints the students regarding Advanced Calculus.

### Subject: Physics

Semester	Course	Paper	Outcome
1 <sup>st</sup> Semester	Major	M-101: Theory	This paper aims to acquaint the students regarding Mathematical Methods relating to <i>Vector</i> and Mechanics.
	Major	M-102: Theory	This paper aims to acquaint the students regarding Waves and Oscillations, Ray Optics.
	Major	M-103: Practical	Laboratory practical as per syllabus.
	General	E-101: Theory	This paper aims to acquaint the students regarding Mechanics and Properties of Matter and Wave and Sound.
2 <sup>nd</sup> Semester	Major	M-201: Theory	This paper aims to acquaint the students regarding Mathematical Methods relating to <i>Integration of Vectors, Curvilinear Co-Ordinate System &amp; Gamma and Dirac Delta Function</i> and Properties of Matter.
	Major	M-202: Theory	This paper aims to acquaint the students regarding Heat and Thermodynamics.
	Major	M-203: Practical	Laboratory practical as per syllabus.
	General	E-201: Theory	This paper aims to acquaint the students regarding Current Electricity, Electrostatics and Magnetism.
3 <sup>rd</sup> Semester	Major	M-301: Theory	This paper aims to acquaint the students regarding Mathematical Methods relating to <i>Matrices, Co-Ordinate Transformations</i> Electrostatics.
	Major	M-302: Theory	This paper aims to acquaint the students regarding Current Electricity and Magnetostatics.
	Major	M-303: Practical	Laboratory practical as per syllabus.
	General	E-301: Theory	This paper aims to acquaint the students regarding Heat, Thermodynamics.
	General	E-302: Practical	Laboratory practical as per syllabus.
4 <sup>th</sup> Semester	Major	M-401: Theory	This paper aims to acquaint the students regarding Mathematical Methods relating to <i>Differential Equations and Probability Theory</i> .
	Major	M-402: Theory	This paper aims to acquaint the students regarding Wave Optics, Special Theory of Relativity.
	Major	M-403: Practical	Laboratory practical as per syllabus.
	General	E-401: Theory	This paper aims to acquaint the students regarding Optics.
	General	E-402: Practical	Laboratory practical as per syllabus.
5 <sup>th</sup> Semester	Major	M-501: Theory	This paper aims to acquaint the students regarding Mathematical Methods relating to Algebraic Operation, Analytic Function of A Complex Variable, Series Expansion Etc. and Classical Mechanics.
	Major	M-502: Theory	This paper aims to acquaint the students regarding Atomic Physics.
	Major	M-503: Theory	This paper aims to acquaint the students regarding Quantum Mechanics and Astrophysics.
	Major	M-504: Theory	This paper aims to acquaint the students regarding Electronics.
	Major	M-505: Practical	Laboratory practical as per syllabus.

<b>Semester</b>	<b>Course</b>	<b>Paper</b>	<b>Outcome</b>
	Major	M-506: Practical	Laboratory practical as per syllabus.
	General	E-501: Theory	This paper aims to acquaint the students regarding Mathematical Methods, Renewable Energy Sources.
	General	E-502: Practical	Laboratory practical as per syllabus.
6 <sup>th</sup> Semester	Major	M-601: Theory	This paper aims to acquaint the students regarding Nuclear Physics.
	Major	M-602: Theory	This paper aims to acquaint the students regarding Mathematical Methods, Solid State Physics.
	Major	M-603: Theory	This paper aims to acquaint the students regarding Modern Optics, Electromagnetic Theory.
	Major	M-604: Theory	This paper aims to acquaint the students regarding Statistical Mechanics, Computer Applications.
	Major	M-605: Practical	Laboratory practical as per syllabus.
	Major	M-606: Project & Computer Programming	This paper aims to acquaint the students regarding Experimental Project Work of Any Relevant Topic Within The Syllabus of Physics.
	General	E-601: Theory	This paper aims to acquaint the students regarding Nuclear Physics, Electronics, Electromagnetic Waves and Solid State Physics.
	General	E-602: Practical	Laboratory practical as per syllabus.

### Subject: Zoology

Semester	Course	Paper	Outcome
1 <sup>st</sup> Semester	Major	M-101: Biosystematics and Taxonomy	To learn Biosystematics and Taxonomy.
	Major	M-102: Animal Diversity-I (Non-Chordates)	To develop knowledge regarding Animal Diversity-I (Non-Chordates).
	Major	M-103 (P): Practical	To develop skill level of the students.
	General	E-101: Biosystematics, Taxonomy, Wildlife Conservation & Management	To enlarge knowledge of the students regarding Biosystematics, Taxonomy, Wildlife Conservation & Management.
2 <sup>nd</sup> Semester	Major	M-201: Animal Diversity-II (Chordates)	To learn regarding Animal Diversity-II (Chordates).
	Major	M-202: Ecology, wildlife conservation and Management	To develop knowledge level regarding Ecology, wildlife conservation and Management,
	Major	M-203 (P): Practical	To develop skill level of the students.
	General	E-201: Ecology, Evolution and Adaptation	To give knowledge on Ecology, Evolution and Adaptation.
3 <sup>rd</sup> Semester	Major	M-301: Comparative Anatomy & Histology	To learn regarding Comparative Anatomy & Histology.
	Major	M-302: Cell Biology	To develop knowledge of the students on Cell Biology.
	Major	M-303 (P): Practical	To develop skill level of the students.
	General	E-301: Animal Diversity-I (Non Chordates)	To learn regarding Animal Diversity-I (Non Chordates).
	General	E-302 (P): Animal Diversity-I (Non Chordates)	To develop skill level of the students on Animal Diversity-I (Non Chordates).
4 <sup>th</sup> Semester	Major	M-401: Developmental Biology	To acquaint the students on Developmental Biology.
	Major	M-402: Genetics	To acquaint on Genetics.
	Major	M-403 (P): Practical	To develop skill level of the students.
	General	E-401: Animal Diversity-II (Chordates)	To enlarge knowledge regarding Animal Diversity-II (Chordates).
	General	E-402 (P): Animal Diversity-II (Chordates)	To enlarge knowledge regarding Animal Diversity-II (Chordates).
5 <sup>th</sup> Semester	Major	M-501: Animal Physiology	To throw light on Animal Physiology.
	Major	M-502: Biochemistry & Bioenergetics	To acquaint the students on Biochemistry & Bioenergetics.
	Major	M-503: Endocrinology & Immunology	To enlarge students' knowledge on Endocrinology & Immunology.
	Major	M-504: Biological Techniques and Biostatistics	To know the students regarding Biological Techniques and Biostatistics.
	Major	M-505 (P): Practical	To develop skill level of the students.
	Major	M-506 (P): Practical	To develop skill level of the students.
	General	E-501: Cell Biology, Genetics & Developmental Biology	To develop skill level on Cell Biology, Genetics & Developmental Biology.
	General	E-502 (P): Cell Biology, Genetics & Developmental Biology	To develop skill level of the students.

<b>Semester</b>	<b>Course</b>	<b>Paper</b>	<b>Outcome</b>
6 <sup>th</sup> Semester	Major	M-601: Animal Behaviour	To have a knowledge on Animal Behaviour.
	Major	M-602: Evolution and Adaptation	To develop skill level on Evolution and Adaptation.
	Major	M-603: Economic Zoology	To provide knowledge on Economic Zoology
	Major	M-604: Biotechnology, Bioinformatics and Computer application	To know about Biotechnology, Bioinformatics and Computer application.
	Major	M-605 (P): Practical	To develop skill level of the students.
	Major	M-606 (P): Project	To develop skill level through 'learning by doing'.
	General	E-601: Physiology, Biochemistry and Endocrinology	To know about Physiology, Biochemistry and Endocrinology.
	General	E-602 (P): Physiology, Biochemistry and Endocrinology	To develop skill level of the students.

**Subject: Environmental Studies**

<b>Semester</b>	<b>Course</b>	<b>Paper</b>	<b>Outcome</b>
3 <sup>rd</sup> Semester	Compulsory	Environmental Studies	To aware the students about the natural resources, eco-system, pollution and its effects on environment, social issues and responsibilities regarding environment etc.
4 <sup>th</sup> Semester	Compulsory	Environmental Studies	To aware the students about the natural resources, eco-system, pollution and its effects on environment, social issues and responsibilities regarding environment etc.