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DEPARTMENT OF ANTHROPOLOGY

B.B.K. COLLEGE, NAGAON, BARPETA

Program Outcome	PO1. Knowledge and understanding: 1. Provide understanding of the essence of Biological Anthropology. 2. To impart the conceptual and theoretical knowledge of Social and Cultural Anthropology. 3. To provide an understanding of the prehistoric and archaeological background of evolution, variation and continuity of human society and culture. PO2. Practical Skills: Students learn to carry out practical work, in the field and in the laboratory. 1. Somatometry and somatoscopic observation. 2. Fossils identification. 3. Typo-technological Analysis of Prehistoric Tools and Ceramic technology. 4. Osteology. 5. Osteometry. 6. Craniometry. 7. Preservation methods of museum. 8. Cardio-vascular function. 9. ABO and Rh (D) Blood groupings. 10. Testing of Colour Vision (Colour Blindness). 11. PTC test. 12. Dermatoglyphics. 13. Field visit for tourism anthropology, ethnography etc. PO3. Individual and Team work: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings. PO4. Environment and sustainability: To understand the impact of human diversity in societal and environmental contexts and provide the knowledge for sustainable development. PO5. Modern tool usage: Application of modern techniques and instruments for DNA extraction, DNA quantification and Aliquoting. PCR and electrophoresis and Gel documentation. PO6. Intellectual Skills: 1. Think logically and organize tasks into a structured way. 2. Assimilate knowledge and ideas from reading and through internet. 3. Transfer of appropriate knowledge and methods from one topic to another within the subject. 4. Understand the evolving state of knowledge in a rapidly developing field. 5. Plan, conduct and write a report on an independent term project. PO7. Anthropologist and Society: Anthropologists know how important society is and how much it has changed over the past years. Every year something can change, it can be how people interact with each other, people's beliefs, or people's custom. Anthropologists are the one who observe these changes and do research on why or how things happened. PO8. Ethics: Apply ethical principles and commit to societal ethics and responsibilities and norms of the society. PO9. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.
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Program Specific Outcome	PSO1: Apply the knowledge of biological anthropology, basic human molecular genetics, socio-cultural anthropology and prehistoric archeology. PSO2: Understanding of the evolutionary stages of man. PSO3: To impart the anthropological knowledge of tribes, villages and peasantry of India. PSO4: To impart the knowledge about human adaptation in the ecological setting and on urbanization and industrialization process. PSO5: Provide an understanding of how to assess human biological diversity. PSO6: To impart the knowledge about the basic theories of culture and society in the study of Anthropology. PSO6: Provide an understanding of the growth of human from fetus into man. PSO7: To impart knowledge on research design formulation, fieldwork tradition, methods and techniques of data collection and ethics of research. PSO8: Provide an understanding of measuring changes in human population. PSO9: To impart knowledge about the applied aspects of Anthropology. PSO10: Provide an understanding of the forensic aspect of anthropology. PSO11: The broad objective of the course is to understand the racial linguistic and ethnic dimension of Indian society and the social dynamics which is constantly acting on it over the years. PSO12: To impart the knowledge of anthropological theories of religion, the economics and political institutions, along with their interrelationship. PSO13: To provide an understanding of the paleontological and archeological background of evolution. PSO14: To impart the knowledge of conducting ethnographic fieldwork and apply the anthropological field methods for data collection.
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ANTHROPOLOGY (Course Outcome)			
SEMESTER - I			
COURSE /SEMESTER	SUBJECT/PAPE R CODE	TITLE OF THE PAPER	OUTCOME

SEMESTER-I	ANT-HC-1016	Introduction to Biological Anthropology	Theory: - Students will learn about the genesis and development of biological anthropology. - Learn about the aspects from which evolution and variation is studied. Practical: - The practical component will enable the students to learn how to use the instrument for taking somatometric measurements and somatoscopic observation.
	ANT-HC-1026	Introduction to Socio-Cultural Anthropology	Theory: - The basic theoretical knowledge about Social and Cultural Anthropology can be achieved. - The knowledge of first-hand data collection and analysis can be gained. Practical: - The practical component will enable the students to learn how to use various techniques in data collection in Social Anthropology.
SEMESTER-II	ANT-HC-2016	Archaeological Anthropology	Theory: - Student will be acquainted with archaeological background of prehistoric, protohistoric and historical evolution of human culture. Practical: - Students will have practical understanding of prehistoric culture through tool technology pottery technology.
	ANT-HC-2026	Fundamentals of Human Origin & Evolution	Theory: - Students will learn about the stages of human evolutionary development. - Will know about the fossil finds on the basis of which the evolutionary stages are identified. Practical: - Students will have practical understanding of living anthropoid skull, fossil anthropoid skull, fossil hominid skull, osteology and osteometry.
SEMESTER-III	ANT-HC-3016	Tribes and Peasants in India	Theory: - The anthropological knowledge and approach to study of tribes, villages and peasantry can be gained. - The problems, prospects, development and government policies for tribes, villages and peasants can be achieved. Practical: - Students are required to read and analyze any two of the ethnographies and prepare a report based upon it. - Museum visit and preparation of report: the report should include relevance of museum in anthropology, arrangement of specimens in

			ethnographic museum; Cleaning, treatment and preservation methods.
	ANT-HC-3026	Human Ecology: Biological & Cultural dimensions	Theory: - The knowledge on human adaptation in ecology will be gained. - The knowledge on urbanization and industrialization in human societies will be achieved. Practical: - Practical knowledge on body dimensions, cardiovascular function. - Research design pertaining to any problem and do a project based on it.
	ANT-HC-3036	Biological Diversity in Human Populations	Theory: - The students will learn about markers for understanding biological diversity. - Classical markers use for classifying races. - Classification of Indian population. Practical: - Students should be trained for identifying landmarks on the skull, taking accurate measurements on at least 3 skulls by standard techniques.
SEMESTER-IV	ANT-HC-4016	Theories of Culture and Society	Theory: - The knowledge of the basic theories of culture in Anthropology can be gained. - The knowledge of the basic theories of society in Anthropology can be gained. Practical: - To identify a topic relating to contemporary issue and formulate research questions and clearly identify the theoretical perspectives from which they are derived.
	ANT-HC-4026	Human Growth and Development	Theory: - Students will learn about concepts related with growth and stages of growth. - Students will learn bio-cultural factors that influence growth and development. - Students will learn human body composition.
	ANT-HC-4036	Research Methods	Theory: - The knowledge on formulation of research design, application of methods and techniques in data collection will be obtained. - The ethics of research will be understood for an effective research study. Practical: - Project report writing – preparation of research problem, study design, data collection techniques, analysis and report writing based on somatometric, dermatoglyphic and

			serological data or social problem.
SEMESTER-V	ANT-HC-5016	Human Population Genetics	Theory: - Students will learn about mechanisms which create variation in gene frequencies. - Students will learn the method of assessing gene frequency variation. - Students will learn how ecological factors which help maintain gene frequencies. Practical: - Student should be trained in determining ABO and Rh blood groups by open slide method and test tube method. - Ishihara's Chart should be used to determine the colour blindness. Inferences should be recorded. - Student should be trained to test PTC testing ability through standard procedure.
	ANT-HC-5026	Anthropology in Practice	Theory: - The knowledge of Applied Anthropology, Action Anthropology and Role of Anthropology in development. - Student will gain knowledge of recent trend in anthropology. Practical: - Project report on constitutional provisions or evaluation of any development project. - Project on tourism. - Project on demographic profile. - Project on NGO/Corporate office/Panchayat office/Census office.
	ANT-HE-5016	Indian Archaeology	Theory: - The students will be familiar with the rich prehistoric past of the country. - The students will understand the prehistoric foundation on which the later course of history in the country developed. Practical: - Identification of prehistoric tools. - Application of Remote Sensing and GIS in Prehistoric Archaeology.
	ANT-HE-5026	Anthropology of Religion, Politics and Economy	Theory: - The knowledge on the anthropological theories of religion, economies and political institutions will be gained. - The knowledge on the interrelationship between religion, economies and political institutions will be achieved. Practical: - Case study of any of the social institute (religion, economic, political) with respect to

			culture perspective.
SEMESTER-VI	ANT-HC-6016	Forensic Anthropology	Theory: - Students will learn about distinguishing human from non-human skeletal remains. - Students will learn about the techniques of making personal identification. Practical: - Examination of finger prints and hand writing. - Analysis and interpretation of finger ball pattern types, palmar main lines and pattern index. - Finger print classification and development of chance prints and statistical treatment of the data collected.
	ANT-HC-6026	Anthropology of India	Theory: - The students will learn about racial linguistic and ethnic dimension of Indian Society. - The students will be familiar with the anthropological situation of the country. Practical: - Identify various traits/variables which can be used in racial classification. - Book review on Indian social structure such as caste, religion, tribe or rural population and its salient features. - Explore the biological diversity of any population group considering a minimum of five genetic traits.
	ANT-HE-6016	Dissertation	Practical: - The knowledge of conducting fieldwork by applying anthropological methods will be gained. - The knowledge of data analysis and writing based on the collected data will be learned.
	ANT-HE-6036	Demographic Anthropology	Theory: - Students will learn about the basis of demography and demographic theories. - Students will learn about the tools used for population change. Practical: - A student will collect and compile demographic data either from primary data or from different secondary sources and project report will be submitted for its evaluation.



Programme Specific Outcome

BA Honours in Arabic

1. To enable students to learn about the political history of the Arabs.
2. To acquaint students with the Arabic literature through the study of classical and modern Arabic prose and poetry.
2. To enable students to learn Arabic language through the study of Arabic Grammar, both applied and functional and conversational practices.

Course Outcome

Honours in Arabic

Sl no.	Course Code	Title of the paper	Course Outcome
1	ARB-HC-1016	Arabic Prose And Poetry-I	This paper will acquaint students with the prose and poetry in Arabic language through which students are provided with value education in addition to knowledge in the language.
2	ARB-HC-1026	Political History Of The Arabs-I	This paper will enlighten the students about the early life of prophet Mohammad right from his birth, marriage, emigration and second pledge of Aqabah. Students will learn about prophet Mohammad at Makkah and Madina and also about the political, religious and social institutions of the place.
4	ARB-HC-2016	Arabic Prose And Poetry-II	This paper will acquaint students with the prose and poetry in Arabic language through which students are provided with value education in addition to knowledge in the language.
5	ARB-HC-2026	Applied Grammar-I	The course will teach students about Applied Arabic Grammar including tense, parts of speech, types of sentence, transformation of sentence.
6	ARB-HC-3016	Classical Arabic Prose And Poetry-I	This paper will acquaint students with the classical prose and poetry in Arabic language.
7	ARB- HC-3026	Political History Of The Arabs-II	At the end of this paper, students will learn about Caliphate of Abu Bakar Siddique and Umar Farooq. The war exploits, administration, character and achievements of Bakkar as well as Umar farooq are



Sl no.	Course Code	Title of the paper	Course Outcome
			explained.
8	ARB-HC-3036	Applied Grammar –II	The course will teach students about Applied Arabic Grammar including tense, parts of speech, types of sentence, transformation of sentence.
9	ARB-HC-4016	Modern Arabic Prose And Poetry-I	This paper will acquaint students with the modern prose and poetry in Arabic language.
10	ARB-HC-4026	Political History Of The Arabs-III	At the end of this paper, students will learn about Caliphate of Uthman and Ali. The war exploits, administration, character and achievements and martyrdom of Uthman as well as Ali are explained.
11	ARB-HC-4036	Applied Grammar-III	The course will teach students about Applied Arabic Grammar including tense, parts of speech, types of sentence, transformation of sentence.
12	ARB-HC-5016	Classical Arabic Prose And Poetry	This paper will acquaint students with the classical prose and poetry in Arabic language.
13	ARB- HC-5026	History Of Arabic Literature-I	This course gives the background of Arabic literature and language during the Pre-Islamic period. It emphasizes on the growth, development, characteristics and prominent figures of Arabic prose and poetry.
14	ARB- HE-5026	Functional Arabic-I	This course teaches the functional use of Arabic language through conversational practices.
15	ARB- HE-5036	Applied Grammar -IV	This course will teach students about Applied Arabic Grammar including types of sentences, degree of sentences, etc.
16	ARB- HC-6016	Modern Arabic Prose And Poetry-II	This paper will acquaint students with the modern prose and poetry in Arabic language.
17	ARB-HC-6026	History of Arabic Literature-II	This course gives the background of Arabic literature and language during the Early-Islamic period. It emphasizes on the growth, development, characteristics and prominent figures of Arabic prose and poetry during Early-Islamic period.
18	ARB-HE-6036	Functional Arabic-II	This course teaches the functional use of Arabic language through conversational practices, prose and poetry.
19	ARB-HE-6056	Translation, comprehension and composition	In this paper, students will learn how to translate sentences from Arabic to English and vice-versa.

Programme Specific Outcome

BA Honours in Assamese

1. To acquaint the students with the history and aspects of Assamese Literature.
2. To introduce students to Folk Culture, Oral Literature, Social Folk Custom and Performing Arts of Assam through
3. To introduce students to the aspects of Eastern and Western Literary Theory.

Course Outcome

Honours in Assamese

Sl no.	Course Code	Title of the paper	Course Outcome
1	ASM-HC-1016	<i>Asamiya Sahityar Buranji (Sarjyapad-Sankari Yug)</i>	The students will be acquainted with the history and aspects of Assamese Literature from Pre-Sankardev to Sankardev Period. The students will also study the comments of <i>Pandits</i> on the various divisions of evolvement periods of Assamese Literature.
2	ASM-HC-1026	<i>Asamiya Sahityar Buranji (Uttar Sankari Yug- Arunodoi Yug)</i>	The students will learn about Assamese literature during <i>Uttar Sankari Yug- Arunodoi Yug</i> .
4	ASM-HC-2016	<i>Bhaxa Vigyan Parichay</i>	It enables students to analyze the different branches of linguistics and its types along with the historical acquaintance.
5	ASM-HC-2026	<i>Hahitya Homalosona</i>	This paper will help students to look at some of the most talked about aspects of Eastern and Western literary theory.
6	ASM-HC-3016	<i>Asamiya Hahitya Prabesh</i>	It will introduce the students to the creative and critical writings of some Assamese literature.
7	ASM- HC-3026	<i>Asamiya Kabitar Saneki</i>	It will introduce the students to <i>Pre-Sankari, Sankari, Romanticism and Modern Poetry</i> .
8	ASM-HC-3036	<i>Asamor Hanskriti</i>	The students will be introduced to Folk Culture, Oral literature, Social folk Custom, performing Arts of Assam.
9	ASM-HC-4016	<i>Tulonamulok Bharatiya Sahitya</i>	It will acquaint the students with the study of Modern Indian Literature along with the background of comparative literature.
10	ASM-HC-4026	<i>Axomiya Bhazar Homaharan: Arya Bhaxa and Arya-</i>	This will introduce the students to the relation of Assamese Language with Sanskrit, Prakrit, Oriya and Bengali Languages.

		<i>Bhinna Bhaxa</i>	
11	ASM-HC-4036	<i>Asamiya Goidya Hahitya</i>	This paper will give students a clear understanding of Assamese Prose through lessons ranging from Sankardev's Prose to History prose.
12	ASM-HC-5016	<i>Asamiya Natak aru Paribexon Hoili</i>	The students will be introduced to the history of Assamese Drama.
13	ASM- HC-5026	<i>Asamiya Byakaran</i>	This paper will introduce students to the Grammatical Analysis of Assamese language.
14	ASM- HE-5026	<i>Asamiya Romoinnahbadi Kabita</i>	Through this paper, students will learn about romanticism that began in Assamese poetry in the late 19th Century.
15	ASM- HE-5036	Sankardev	This will introduce students to the <i>Bargeet</i> , <i>Kirtan Ghoxa</i> , poetry and drama of Sankardev.
16	ASM- HC-6016	<i>Asamiya Sutigalpa aru Upoinnah</i>	This paper will introduce the students to the genre of Assamese Short stories and Novels.
17	ASM-HC-6026	<i>Asamiya Lipir Itihas</i>	In addition to the history of Assamese script, students will learn about rock inscription and copper inscription.
18	ASM-HE-6026	Banikanta Kakati	Students will get introduced to critical and thoughtful articles of Banikanta Kakati.
19	ASM-HE-6056	<i>Prakalpa</i>	The students will get acquainted to anyone of the customs and traditions, festivals, folk-culture, etc. through field work. They are also taught to write dissertation paper.

BA

Sl no.	Course code	Title of the paper	Course Outcome
1	ASM-AE-1014	<i>Jogajogmulok Axomiya</i>	Students will get introduced to the use of Assamese language in communicative, Social media, writing skills (Tender, Letter writing, press release, etc), Use of software in Assamese Script.
2	ASM-SE-3014	<i>Byabaharik Axamiya</i>	Students will get introduced to Communicative Assamese that will help them in their professional life.
3	ASM-CC-3016	<i>Prachin Axomiya Sahitya</i>	This paper will teach students about the lyrical poems, plays, oral and ancient Assamese Literature.
4	ASM- SE-4014	<i>Shrijonimulok Sahitya</i>	Students will get an idea of basic and practical knowledge of poetry and story writing
5	ASM-CC-4016	<i>Adhunik Axomiya Sahitya</i>	This paper will introduce students to the poems, short stories, essays and plays of Modern Assamese Literature.
6	ASM-RE-5016	Sankardev	This will introduce students to the <i>Bargeet</i> , <i>Kirtan Ghoxa</i> , poetry and drama of Sankardev.



Programme Specific Outcome

BCA(Bachelor in Computer Application)

The completion of the BCA Programm shall enable a student to communicate technical information both orally and in writing applied and knowledge gain in core courses to a broad range of advanced topic in Computer Science, to learn and develop sophisticated technical products independently. To design , implement and evaluate computer based system, processs , component or program to meet desire needs by critical understanding, analysis and synthesis.

Course Outcome

BCA(Bachelor in Computer Application)

Sl no.	Course code	Title of the paper	Course Outcome
1	BCA-HC-1016	Introduction to C Programming	This paper introduces students to the basic programming language. The students will learn about developing software.
2	BCA-HC-1026	Computer Fundamental and ICT Hardware	This paper seeks to familiarize students with the primary knowledge of hardware,classification and communication technology.
3	BCA-HC-2016	Mathematics-I	This paper introduces students to solve the primary mathematical problems using computer programming languages.



Sl no.	Course code	Title of the paper	Course Outcome
4	BCA-HC-2026	Digital Logic Fundamentals	This paper aims to familiarize the students with the digital circuit, Boolean Algebra and Logic Gates etc.
5	BCA-HC-3016	Software Engineering	This paper seeks to familiarize the students with Software developing, Method, Testing and Maintenance etc.
6	BCA-HC-3026	Data Structure and Algorithm	This paper seeks to acquaint the students with how we can store data with procedures.
7	BCA-HC-3036	Database Management System	This paper aims to familiarize the students with how we can manage data, Flow of data and security.
8	BCA-HC-4016	Computer Organization and Architecture	This paper aims to familiarize the students with Hardware part namely Processor, Bus etc.
9	BCA-HC-4026	Mathematics-II	This paper introduces students to solve the primary mathematical problems using computer programming languages.
10	BCA-HC-4036	Object Oriented Programming in C++	This paper introduces students with the object oriented approaches using programming languages.
11	BCA-HC-5016	Java Programming	The paper introduces students with the advanced level of programming languages for developing different kind of Software.
12	BCA-HC-5026	Operating System	This paper seeks to direct the students' attention to different types of Operating system and how operating system manage different kind of task assign to the same.
13	BCA-HC-6016	System Administration using Linux	This paper introduces students to the UNIX operating system and its working.



Sl no.	Course code	Title of the paper	Course Outcome
14	BCA-HC-6026	Computer Networks	This paper will familiarize students with different layer of the networks and Network security.
15	ENG-AE-1014	English Communication	This is value based course which helps a student to hone his communicative skills and writing skills through the study of texts and applied grammar.
16	BCA-HG-1026	Office Automation	This paper gives the students an opportunity to acquaint themselves with office related software and DTP.
17	ENV-AE-2014	Environtal Science	This paper seeks to introduce students to basic environmental related information and problem.
18	BCA-HG-2016	Basic Electronics	This paper introduces students to the basic concept of electronics and microprocessor.
19	BCA-SE-3014	Web Technology	The aim of this course is to provide the student an opportunity to learn about designing of web page.
20	BCA-HG-3026	Positive Psychology	This paper introduces students to learn about mental health.
21	BCA-SE-4024	Mobile Application	This is value based course which helps a student to learn about the mobile based app designing.
22	BCA-HG-4026	Information security and cyber crime	This paper introduces students with differen cyber attack and security management.
23	BCA-HE-5016	Project Work	This paper introduces students to deal with real life problem solving software.
24	BCA-HE-5026	Data mining and Warehousingg	This paper introduces students with datawarehousing problem and mechanism. This also included difference between database and mining.
25	BCA-HE-6016	Automata theory and Language	This paper introduces students with finite states and grammer.
26	BCA-HE-6046	Distributed System	This paper introduces students with communication ,synchronization and fault tolerance.

COURSE AND LEARNING OUTCOME

The institute implements CBCS curriculum under Gauhati University from the academic session 2019-2020. Although the institute offers B.A., B.Sc. BCA and PGDCA programmes under Gauhati University, B.A. and B.Sc programmes have both Honours and Regular programmes too.

The programme outcome and course outcome are explained by the respective department to the students at the very beginning of the academic session.

DEPARTMENT OF ECONOMICS

There are a total of fourteen economics core courses that students are required to take across six semesters. All the core courses are compulsory. In addition to core courses in economics, a student of B.A. (Hons.) Economics will choose four Discipline Specific Elective (DSE) Courses.

Course Outcomes (COs)

SL. No.	Course Code (s)	Course Outcome
1	ECO-HC-1016, 3016, 4016	To expose the students to the basic principles of microeconomic theory. After completion of the course the students will have solid foundation of microeconomic theory to formally analyse the behavior of individual agents. The students have confidence in the microeconomic concepts and its use with mathematical tools and reasoning.
2	ECO-HC-1026, 2026	To transmit basic mathematics that enables the study of economic theory at the undergraduate level, specifically the courses on microeconomic theory and macroeconomic theory. After completion of the course the students will realize and know that particular economic models are not the ends, but the means for illustrating the method of applying mathematical techniques to economic theory in general.

SL. No.	Course Code (s)	Course Outcome
3	ECO-HC-3026, 4026	The students will be able to know the basic macroeconomic concepts and its real life experience. Students will be able to design formal modeling of macro-economy in terms of analytical tools.
4	ECO-HC-3036	With this course students will acquaint with the basic concepts of statistics, the concept of sampling design and data collection and about probability distribution.
5	ECO-HC-4036	Through this course the students will be able to grasp basic econometrics concepts and techniques like hypothesis testing, estimation and diagnostic testing of simple and multiple regression.
6	ECO-HC-5016, 6016	To provide major trends in economic indicators and policy debates in India in post-Independence period, with particular emphasis on paradigm shifts and turning points and evaluates the Indian empirical evidence. It enables students to take up competitive examinations
7	ECO-HC-5026, 6026	The course provides alternative concepts of development and their justification. It enables students to theoretical understanding of poverty and inequality and helps to develop the measurement tools in poverty and inequality. It also provides basic understanding on the connections between growth and inequality linking political institutions.
8	ECO-HE-5026	The course exposes students to the theory and

SL. No.	Course Code (s)	Course Outcome
		functioning of the monetary and financial sectors of the economy.
9	ECO-HE-5036	The course will provide a non-technical overview of government finances with reference to India. The students will be able to know the concepts of efficiency and equity aspects of taxation of the center, states and the local governments and the issues of fiscal federalism and decentralization in India. The course is also beneficial for the students aiming towards careers in the government sectors and policy analysis .
10	ECO-HE-6016	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. The students will also know the economic implications of environmental policy 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.
11	ECO-HE-6026	Through this course students will learn and can be able to develop 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.
12	ECO-HC-6036	It will provide students an idea of evolution of the Assam Economy from the colonial period to the

SL. No.	Course Code (s)	Course Outcome
		contemporary time. After completion of the course, students will be able to better appreciate the challenges and opportunities of the economy of Assam in the present context. The course is also helpful for the students aspiring for competitive examinations.
13	ECO-SE-3016	This course will help students to comprehend the use of data, presentation of data using computer softwares like MS-Excel and SPSS. The course will help the students to practically prepare questionnaires/interview schedules, collection of both primary and secondary data and its presentation. The course also help the students to choose a career in research filed.
14	ECO-SE-4016	With the help of this course, students will be exposed to the theoretical application of different statistical concept practically using statistical software like SPSS, PSPP and MS-Excel. After completion of the course, the students will build confidence on the statistical application using sophisticated software, which help them to choose a career in data analysis.
15	ECO-HG-1016, 2016	The course intends to expose the students to the basic principles of microeconomic theory and its application in the field of consumption and production. The students also able to know the structure of markets and understanding on the issue of market failure and on the factor markets.
16	ECO-HG-3016, 4016	The students will able to understand the basic concepts of macroeconomics such as national

SL. No.	Course Code (s)	Course Outcome
		income accounting, determination of GDP and national income. It also introduces students to concept of inflation, its relationship with unemployment and some basic concepts in an open economy.

Programme Specific Outcomes (PSOs)

The study of B.A. in Economics (Honours/Regular) will enable the students:

- (i) To build a strong foundation in Economics with theoretical understanding of Microeconomics, Macroeconomics, Development Economics, Public Finance, Monetary Economics, Environmental Economics, International Economics.
- (ii) To understand the basic concepts of Mathematics and Statistics and its application in the field of Economics.
- (iii) To learn the concepts of data collection, presentation and analysis along with the application of the concepts with statistical software.
- (iv) To choose a career in data analysis and research and also helps those who are aspiring to competitive examinations.

COURSE AND LEARNING OUTCOME

DEPARTMENT OF EDUCATION

Course Outcomes (COs)

SL. No.	Course Code (s)	Course Outcome
1	EDU-HC-1016	Acquaint the students with the important concepts of Education, Curriculum, Democracy, Discipline and Freedom.
2	EDU-HC-1026	Make the students understand the relationship between education and psychology. Acquaint with different types of personality and the adjustment mechanism
3	EDU-HC-2016	After completion of this course the learner will be able to know the concept of philosophy and its relationship with education. The students will also develop understanding about the concept of educational sociology, social groups and socialization.
4	EDU-HC-2026	Students will able to recount the concept of Ancient Indian education system and also able to examine and analyse the education system in Medieval India and education system during British period.
5	EDU-HC-3016	Students will able to understand the educational situation during the time of independence and know about recommendations and educational importance of different education commission and committee. The students also able to analyse the national education policy and accustom with the

SL. No.	Course Code (s)	Course Outcome
		educational development in India.
6	EDU-HC-3026	Make the students understand the objective of educational technology in teaching learning process. Acquaint students with levels, effectiveness of teaching and classroom management and also make the students understand the strategies of effective teaching as a profession.
7	EDU-HC-3036	Students will be able to understand the meaning and importance of peace education and its relevance at national and internal level.
8	EDU-HC-4016	Enable the students to learn the Philosophy of life of different Educational Thinkers and their works.
9	EDU-HC-4026	Students will develop the basic concept of Statistics and be acquainted students with different statistical procedure used in Education.
10	EDU-HC-4036	Acquaint the students with the various issues in education that are emerging in the recent years in the higher education system .
11	EDU-HC-5016	Students will develop an understanding of different types of educational tests and their uses and acquaint the students about personality test, and aptitude tests
12	EDU-HC-5026	Enable the students to know the different types and approaches to Guidance and Counseling and also enable the learners to understand the challenges faced by the teacher as guidance worker.
13	EDU-HC-6016	Students will be able to understand educational

SL. No.	Course Code (s)	Course Outcome
		development in the post globalization era and also economic and political awareness through education.
14	EDU-HC-6026	Students will learn the process of preparation and conduction of a project in Education.
15	EDU-HE-5026	Acquaint the students about heredity and environmental factors affecting pre-natal development. Enable the students to understand the development aspects of adolescence, importance of adolescence period and problems associated with this stage.
16	EDU-HE- 6026	Enable the students to know about different issues, educational provisions and support services of special education.
17	EDU-SE-3014	After completing this course, students will be able to acquire the capacities of public speaking skill.
18	EDU-SE-4014	After completing this course, students will be able to write a bio-data scientifically and will develop confidence to face different types of interview.

Programme Specific Outcomes (PSOs)

The study of B.A. in Education (Honours/Regular) will enable the students:

- To build a holistic foundation in Education with theoretical understanding of the subject from the perspectives of psychological foundation, philosophical foundation, development of educational technology, value and peace education, guidance and counseling, etc.
- The programme also provides practical exposures to the related concepts in education along with field work and project formulation.



Programme Specific Outcome

BA Honours in English

At the end of the course, the students of English honours will learn about the diverse canvas that spans across genres like drama, poetry, epic narrative, short stories through the study of literatures from around the world, be it European Literature belonging to Classical period or the 20th century, American literature, Indian English Literature or literature translated from languages across the world. Students will learn about the issues of politics, feminism, emergence of gender studies, nationalism, modernity, memory, displacement, hybridity, race, culture, children's literature, social and cultural contexts embedded in literature.

Students will also learn to analyze texts as representative of broad generic explorations. They will gain an understanding of the contexts in which literary forms and individual texts emerge. This will improve Critical Thinking and Assessment Skill of students. The course will also Improve Language Skills, both Verbal & Written.

Course Outcome

Honours in English

Sl no.	Course code	Title of the paper	Course Outcome
1	ENG-HC-1016	Indian Classical Literature	This paper introduces students to a selection of literatures of India in English translation. The students will learn about the rich and diverse canvas that spans across genres like drama, poetry, the epic narrative as well as short fictional fables.
2	ENG-HC-1026	European Classical Literature	This paper seeks to familiarize students with the literary tradition of European writers through the study of representative texts belonging to the Classical period.
3	ENG-HC-2016	Indian Writing in English	a) Develop familiarity with the issues of politics of language and gender, nationalism and modernity pertaining to pre and post-Independence India that have been responsible for the emergence of Indian English literature b) Understand the place of English Writing in India in the larger field of English Literature. c) Learn to discuss critically the use of literary forms of the novel, poetry and drama by Indian English writers in distinctive ways against Indian



Sl no.	Course code	Title of the paper	Course Outcome
			historical and cultural contexts
4	ENG-HC-2026	British Poetry and Drama: 14th to 17th Centuries	This paper aims to familiarize the students with the two major forms in British literature from the 14 th to the 17 th centuries – poetry and drama, apart from acquainting them with the contexts that generated such literatures.
5	ENG-HC-3016	History of English Literature and Forms	a) Acquire a sense of the historical development of each literary form. b) Gain understanding of the contexts in which literary forms and individual texts emerge. c) Learn to analyze texts as representative of broad generic explorations.
6	ENG-HC-3026	American Literature	This paper seeks to acquaint the students with the main currents of American literature in its social and cultural contexts.
7	ENG-HC-3036	British Poetry and Drama: 17th and 18th Centuries	This paper aims to familiarize the students with British literature in the 17 th and 18 th centuries, a time-period which sees the emergence and establishment of greatly diverse kinds of writings.
8	ENG-HC-4016	British Literature: The 18th Century	This paper aims to familiarize the students with British literature in the 18 th century.
9	ENG-HC-4026	British Romantic Literature	This paper includes selections from works of major Romantic poets which address these issues, enabling students to appreciate the essence of the Romantic vision.
10	ENG-HC-4036	British Literature: The 19th Century	The texts chosen will expose the students to the ground-breaking efforts of the poets as well to the works of fiction writers who manage to consolidate and refine upon the achievements of the novelists of the previous era.
11	ENG-HC-5016	British Literature: The 20th Century	The paper goes beyond the High Modern period of the early century and the students will also get acquainted with the ethos of postmodernism through a reading of recent poetic and fictional works.
12	ENG-HC-5026	Women's Writing	This paper seeks to direct the students' attention to nineteenth and twentieth century writings by women living in different geographical and socio cultural settings.
13	ENG-HE-5036	Literature of the Indian Diaspora	This paper will look at the diasporic experience with particular reference to Indian diasporic writers.



Sl no.	Course code	Title of the paper	Course Outcome
14	ENG-HE-5056	Literary Criticism and Literary Theory	This paper will familiarize students with some important texts on literary criticism and literary theory.
15	ENG-HC-6016	Modern European Drama	The paper aims at introducing students to the innovative dramatic works of playwrights from different locations in Europe, which taken together represents the wide range of modern drama and its fortunes on the written page and the stage.
16	ENG-HC-6026	Postcolonial Literatures	This paper gives the students an opportunity to acquaint themselves with some of the novels, short stories and poems from postcolonial literatures across the world, with the texts showcasing the many regional, cultural differences and peculiarities, as well as common and shared experiences of the postcolonial condition.
17	ENG-HE-6026	World Literatures	This paper seeks to introduce students to literatures from around the world highlighting memory, displacement, hybridity, race, culture, children's literature, etc.
18	ENG-HE-6056	Life Writing	This paper introduces students to self and society, autobiographical writings in relation to resistance, rewriting history, etc.

BA (Regular)

Cumpolsory Core (English-I)

Sl no.	Course code	Title of the paper	Course Outcome
1	ENG-CC-1016 ENG-CC-2016	English I & II	The aim of this course (English I and II) is to provide the student an opportunity to read and respond to representations of issues in contemporary life and culture in the English language
2	ENG-CC-2016	English - II	The students will improve their reading and writing skills by practicing Voice Change, Use of Determiners, Dialogue Writing, Descriptive Writing, Precis Writing/Report Writing.



BA (Hon. & Regular)

AECC

Sl no.	Course code	Title of the paper	Course Outcome
1	ENG-AE-1014	English Communication	This is value based course which helps a student to hone his communicative skills and writing skills through the study of texts and applied grammar.

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Programme Specific Outcome

BA Honours in Hindi

1. To enable the students to learn about Hindi literature, language, culture and its importance.
2. To enable the students to learn the functional use of Hindi and implement it as *Rajbhasa* and *Rashtrabhasa*.

Course Outcome

Honours in Hindi

Sl no.	Course code	Title of the paper	Course Outcome
1	HIN HC 1016	Hindi Sahitya Ka Itihas (Riti kal Tak)	The students will learn about Hindi literatures during <i>Adi Kal</i> , <i>Bhakti Kal</i> and <i>Riti Kal</i> .
2	HIN HC 1026	Hindi Sahitya Ka Itihas (Adhunik Kal)	The students will learn about Hindi literatures during <i>Adhunik Kal</i> and also it will introduce the students to the prose in <i>Khariwali Hindi</i> .
3	HIN HC 2016	<i>Adikalin abong Madhyakalin Hindi Kabita</i>	After completion of the course, students would get an idea about the poetry of Vidyawati, Kabir, Jaysi, Sur Das, Tulsi Das, Bihari an Ghananand. Students would also be introduced to languages like Maithili, Sadukadi, Abadi and Brojo.
4	HIN HC 2026	<i>Adhunik Hindi Kabita (Chayabad Tak)</i>	To enable the students learn about the poetry written in Khariwali Hindi during <i>Bharatendu Kalin</i> , <i>Drivedi Kalin</i> and <i>Chayabad Kalin</i> .
5	HIN HC 3016	<i>Chayabaduttar Hindi Kabita</i>	To familiarize students with <i>Pragatiwadi</i> , <i>Rashtriya Sanskritik</i> , <i>Prayugwadi</i> and <i>Nayi Kabita ki Sambedna ebong silpagat biseshta</i> .
6	HIN HC 3026	<i>Bharatiya Kavya Shashtra</i>	To familiarize students with <i>Bharatiya Kavya Shashtra</i> .
7	HIN HC 3036	<i>Pachyata Kavya Shashtra</i>	To familiarize students with <i>Pachyata Kavya Shashtra</i> .
8	HIN HC 4016	<i>Bhasa Vigyan, Hindi Bhasa Ebong Devnagiri Lipi</i>	To teach the students about the evolvement and development of Hindi language. The students will get an idea of <i>Bhasa Vigyana</i> and <i>Devanagiri Lipi</i> .
9	HIN HC 4026	<i>Hindi Katha Sahitya</i>	To familiarize students with the history and development of Hindi novel and short stories.
10	HIN HC 4036	<i>Hindi Natak Ekangki</i>	To give students an idea about Hindi drama and one act play.



Sl no.	Course code	Title of the paper	Course Outcome
11	HIN HC 5016	<i>Hindi Nibandh ebong anya gadya bidhaye</i>	The students will learn about Hindi essay, biography and sketches.
12	HIN HC 5026	<i>Prayojanmulak Hindi</i>	To enable the students to learn about the inclusion of Hindi in our constitution and its status as an official language.
13	HIN HE 5016	<i>Lok Sahitya Sintan</i>	To familiarize the students with Indian folk literature and culture.
14	HIN HE 5036	<i>Purbattar Bharat Me Hindi Bhasa Aur Sahitya</i>	To teach students about the importance of Hindi language and literature in North-East India.
15	HIN HC 6016	<i>Hindi Ki Sahityik Patrakarita</i>	To familiarize students about Hindi journalism.
16	HIN HC 6026	<i>Hindi Pariyojna Karya</i>	To enable to students to develop an interest in research through project work.
17	HIN HE 6016	<i>Chayabadi Kabyadhara</i>	To Give An Idea About Hindi Poetry During Chayabadi Period Through The Study Of The Poetry Of Jayshankar Prasad, Panth, Mahadevi Barma and Nirala
18	HIN HE 6026	<i>Premchand Ka Sahitya</i>	To give an idea of the works of Premchand, (King of Hindi Novels).

Course Outcome

MA in Assamese

Sl no.	Course Code	Title of the paper	Course Outcome
1	ASM 1016	Rise and Development of the Assamese Language	1. Reconstruct the social history of Assam in the light of the rise of Assamese language. 2. Justify the relationship between tradition of religion and formation of Assamese language. 3. Compare and contrast the social history of early Assamese form of language with that of the Modern Assamese language.
2	ASM 1026	History of Assamese Literature : 1889-2015	Trace the phases of Romantic and Modern Assamese literature.
3	ASM 1036	Study of Culture of Assam	Reconstruct religious belief of the people of Ancient Assam and compare it with that of the rest of ancient India.
4	ASM 1046	History of Sanskrit Literature: History, Features and Genres	1. Trace the history and heritage of Indian literary tradition. 2. Describe the features of Sanskrit Literature which is considered as the mother of all regional Literature including Assamese. 3. Grasp the Indianness in Indian Literature.
5	ASM 1054	Creative Writing	1. Compare and contrast the genres of creative writing on the basis of imitation and imagination. 2. Create a piece of literature and justify its quality. 3. Describe the experience of reading a piece of literature.
6	ASM 2016	Assamese Poetry : 1889-2015	1. Categorise Assamese poetry (1889-2015) in groups of Romantic and Modern Phases. 2. Describe experience of reading Romantic and Modern Assamese Poetry. 3. Tell the difference between Romantic and Modern Poetry. 4. Plan to develop intellectual history of Assam with the help of knowledge of stone inscriptions and copperplates. 5. Enumerate the institutions and describe their role in preserving Assamese culture.
7	ASM 2026	Assamese Prose : 1846-2015	1. Trace the development of Assamese prose from 1846 to 2015. 2. Interpret the changes occurring in Assamese prose. 3. State the present features of Assamese prose.
8	ASM 2036	Assamese Drama and Performance : 1857-2015	1. Reconstruct the history of Assamese drama and performance since 1857. 2. Describe the experience of viewing a play 3. Enumerate the trends of Assamese Drama since 1857.
9	ASM 2046	Indian Criticism	1. Describe the Indian systems of evaluating Literature. 2. Trace the thought systems of ancient Indian Literary critics. 3. Interpret Literature from Indian point of view.

10	ASM 2054	Editing	1. Trace the phases of book history in India. 2. Critique a manuscript. 3. Tell the philosophy behind the book-editing
11	ASM 3016	Assamese Novel: 1890-2015	1. Categorise the Assamese novels into different trends. 2. Explain the effects of the socio-political development on Assamese novels. 3. Design a spectrum of different themes used in Assamese novels.
12	ASM 3026	Translation : Theory and Practice	1. Illustrate the linguistic and cultural aspects of translation. 2. State the problems of different kinds of translation. 3. Justify the quality of different texts of translation.
13	ASM 3056	Sanskrit Texts	Critique of the Classical Sanskrit Texts.
14	ASM 3106	Structure of the Assamese Language	1. Describe the intricate structure of the Assamese Language. 2. Analyse language in sync with contemporary linguistics. 3. Design a synchronic study of the structure of Assamese Language.
15	ASM 3126	Sankaradeva Studies	1. Justify the philosophy of Eksarana Nama Dharma by Sankaradeva in relation to All India Medieval Bhakti Movement. 2. Produce a one act play as the structure laid by Sankaradeva's Ankia Bhaona. 3. Trace the outcome of social reformation done by Sankaradeva.
16	ASM 4016	Textual Criticism and Manuscript Reading	1. Explain the Manuscript tradition in different part of the world. 2. Explain mutilated text is restored. 3. Generate interest in preservation and restoration of intellectual heritage of a nation.
17	ASM 4026	Applied Linguistics	1. Explain computational linguistics. 2. Plan to review literature applying discourse analysis. 3. State the tools for analyzing the Assamese language.
18	ASM 4046	Assamese Short Story : 1889-2015	1. Trace the development of the major trends of Assamese short stories. 2. Describe the emotional effect of reading a few significant Assamese short stories. 3. Interpret a short story.
19	ASM 4116	Tibeto-Burman Languages of Assam	1. Illustrate the Linguistics features of Tibeto Burman Language of Assam. 2. Trace the differences among Rabha, Boro, Mising, Karbi communities and compare the Tibeto Burman Languages with Assamese and other Indo-Aryan Language. 3. Describe the influence of Tibeto Burman Language on the Assamese Language and vice-versa.
20	ASM 4136	Culture Studies of North-East India	1. Enumerate the changes in material culture and performing Art with special reference to Moran, Hajong, Sonowal-Kachari, Garo and Manipuri. 2. Justify the role of women in the context of greater Assamese society and culture.

			3. Justify the culture of North-East India as synthesized one.
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BSc Honours in Mathematics

The completion of:

Programme Specific Outcome

- i) Communicate mathematics effectively by oral, written, computational and graphic means.
- ii) Create mathematical ideas from basic axioms.
- iii) Gauge the hypothesis, theories, techniques and proofs provisionally.
- iv) Utilize mathematics to solve theoretical and applied problems by critical understanding, analysis and synthesis.
- v) Identify applications of mathematics in other disciplines and in the real world, leading to enhancement of career prospects in a plethora of fields.
- vi) Appreciate the requirement of lifelong learning through continued education and research.

Course Outcome

Sl no.	Course Code	Title of the paper	Course Outcome
1	MAT-HC-1016	Calculus (including practical)	This course will enable the students to: i) Learn first and second derivative tests for relative extremum and apply the knowledge in problems in business, economics and life sciences. ii) Sketch curves in a plane using its mathematical properties in different coordinate systems. iii) Compute area of surfaces of revolution and the volume of solids by integrating over cross-sectional areas. iv) Understand the calculus of vector functions and its use to develop the basic principles of planetary motion.
2	MAT-HC-1026	Algebra	This course will enable the students to: i) Employ De Moivre's theorem in a number of applications to solve numerical problems. ii) Learn about equivalent classes and cardinality of a set. iii) Use modular arithmetic and basic properties of congruences. iv) Recognize consistent and inconsistent systems of linear equations by the row echelon form of the augmented matrix. v) Learn about the solution sets of linear systems using matrix method and Cramer's rule
4	MAT-HC-2016	Real analysis	The students who take this course will be able to: i) Understand continuity and differentiability in terms of limits. ii) Describe asymptotic behavior in terms of limits involving infinity. iii) Use derivatives to explore the behavior of a given function, locating and classifying its extrema, and graphing the function. iv) Understand the importance of mean value theorems.
5	MAT-HC-2026	Differential Equations	The course will enable the students to: i) Learn basics of differential equations and mathematical modeling.



Sl no.	Course Code	Title of the paper	Course Outcome
			ii) Formulate differential equations for various mathematical models. iii) Solve first order non-linear differential equations and linear differential equations of higher order using various techniques. iv) Apply these techniques to solve and analyze various mathematical models.
6	MAT-HC-3016	Theory of Real Functions	This course will enable the students to: i) Have a rigorous understanding of the concept of limit of a function. ii) Learn about continuity and uniform continuity of functions defined on intervals. iii) Understand geometrical properties of continuous functions on closed and bounded intervals. iv) Learn extensively about the concept of differentiability using limits, leading to a better understanding for applications. v) Know about applications of mean value theorems and Taylor's theorem
7	MAT-HC-3026	Group Theory-I	The course will enable the students to: i) Recognize the mathematical objects that are groups, and classify them as abelian, cyclic and permutation groups, etc. ii) Link the fundamental concepts of groups and symmetrical figures. iii) Analyze the subgroups of cyclic groups and classify subgroups of cyclic groups. iv) Explain the significance of the notion of cosets, normal subgroups and factor groups. v) Learn about Lagrange's theorem and Fermat's Little theorem. vi) Know about group homomorphisms and group isomorphisms.
8	MAT-HC-3036	Analytical Geometry	This course will enable the students to: i) Learn conic sections and transform co-ordinate systems ii) Learn polar equation of a conic, tangent, normal and properties iii) Have a rigorous understanding of the concept of three dimensional coordinates systems
9	MAT-HC-4016	Multivariate Calculus	This course will enable the students to: i) Learn the conceptual variations when advancing in calculus from one variable to multivariable discussion. ii) Understand the maximization and minimization of multivariable functions subject to the given constraints iii) Learn about inter-relationship amongst the line integral, double and triple integral formulations. iv) Familiarize with Green's, Stokes' and Gauss divergence theorems
10	MAT-HC-4026	Numerical Methods	The course will enable the students to: i) Learn some numerical methods to find the zeroes of nonlinear functions of a single variable and solution of a system of linear equations, up to a certain given level of precision. ii) Know about methods to solve system of linear equations,



Sl no.	Course Code	Title of the paper	Course Outcome
			such as False position method, Fixed point iteration method, Newton's method, Secant method and LU decomposition. iii) Interpolation techniques to compute the values for a tabulated function at points not in the table. iv) Applications of numerical differentiation and integration to convert differential equations into difference equations for numerical solutions.
11	MAT-HC-4036	Ring Theory	On completion of this course, the student will be able to: i) Appreciate the significance of unique factorization in rings and integral domains. ii) Learn about the fundamental concept of rings, integral domains and fields. iii) Know about ring homomorphism and isomorphism theorems of rings. iv) Learn about the polynomial rings over commutative rings, integral domains, Euclidean domains, and UFD
12	MAT-HC-5016	Riemann Integration and Metric spaces	The course will enable the students to: i) Learn about some of the classes and properties of Riemann integrable functions, and the applications of the Fundamental theorems of integration. ii) Know about improper integrals including, beta and gamma functions. iii) Learn various natural and abstract formulations of distance on the sets of usual or unusual entities. Become aware one such formulations leading to metric spaces. iv) Analyse how a theory advances from a particular frame to a general frame. v) Appreciate the mathematical understanding of various geometrical concepts, viz. Balls or connected sets etc. in an abstract setting. vi) Know about Banach fixed point theorem, whose far-reaching consequences have resulted into an independent branch of study in analysis, known as fixed point theory. vii) Learn about the two important topological properties, namely connectedness and compactness of metric spaces.
13	MAT-HC-5026	Linear Algebra	The course will enable the students to: i) Learn about the concept of linear independence of vectors over a field, and the dimension of a vector space. ii) Basic concepts of linear transformations, dimension theorem, matrix representation of a linear transformation, and the change of coordinate matrix. iii) Compute the characteristic polynomial, eigenvalues, eigenvectors, and eigenspaces, as well as the geometric and the algebraic multiplicities of an eigenvalue and apply the basic diagonalization result. iv) Compute inner products and determine orthogonality on vector spaces, including Gram-Schmidt orthogonalization to obtain orthonormal basis.



Sl no.	Course Code	Title of the paper	Course Outcome
			v) Find the adjoint, normal, unitary and orthogonal operators.
14	MAT-HE-5026		
15	MAT-HE-5036		
16	MAT-HC-6016	Complex Analysis	Completion of the course will enable the students to: i) Learn the significance of differentiability of complex functions leading to the understanding of Cauchy–Riemann equations. ii) Learn some elementary functions and can evaluate the contour integrals. iii) Understand the role of Cauchy–Goursat theorem and the Cauchy integral formula. iv) Expand some simple functions as their Taylor and Laurent series, classify the nature of singularities, find residues and apply Cauchy Residue theorem to evaluate integrals.
17	MAT-HC-6026	Partial Differential Equations	The course will enable the students to: i) Formulate, classify and transform first order PDEs into canonical form. ii) Learn about method of characteristics and separation of variables to solve first order PDE's. iii) Classify and solve second order linear PDEs. iv) Learn about Cauchy problem for second order PDE and homogeneous as well as nonhomogeneous wave equations. v) Apply the method of separation of variables for solving second order PDEs.
18	MAT-HE-6026		
19	MAT-HE-6056		

Programme Outcome

Philosophy is a comprehensive study of life and world. It aims to inculcate and preserve values, in our society. The outcomes of the programme are noted below:

- 1) To apply philosophical learning to important public issues.
- 2) Students will acquire reading skills necessary to understand and would be critically engaged with historical and contemporary philosophical texts.
- 3) Students will be able to prepare themselves for the competitive examinations like NET, SLET, SSC, BANK, and RAILWAY exams etc.
- 4) Students can increase their intellectual evaluative skill in all circumstances.
- 5) Students will be able to explain and differentiate between major approaches to moral philosophy such as deontology and virtue ethics.

Course Outcomes (COs)

SL. No.	Course Code (s)	Course Outcome
1	PHI-HC-1016	The course enables students to understand the development of Indian Philosophy. It also provides understanding on the diverse concepts of Carvaka Materialism, Jainism, Buddhism, Abhidharma Schools, etc.
2	PHI-HC-1026	Students will able to understand the concepts argument and argument form, truth and validity, deduction and induction, categorical propositions, categorical syllogism and also application of Venn diagram and concept of set in logic. It also helps the students of Mathematics as the course provides a basic foundation to pure mathematics.
3	PHI-HC-2016	The course will enable the students to the philosophical understandings of Greek Philosophers like Thales, Pythagoras, Socrates, Plato and Aristotle, which develops philosophical foundations of students.
4	PHI-HC-2026	After completion of the course students will be

SL. No.	Course Code (s)	Course Outcome
		able to understand the concepts of symbolic logic, truth table for logical connectives, rules of inference, formal proof of validity and rules of replacement.
5	PHI-HC-3016	Study of this course enables students to understand the western philosophical thoughts such as rationalism, empiricism, the philosophical ideas of Kant and Hegel.
6	PHI-HC-3026	The students will be able to understand the Indian philosophical concepts of Samkhya, Yoga, Nyaya, Vaishesika, Mimamsa. It also provide the philosophical ideas of Sankara, Ramanuja and Sankaradeva.
7	PHI-HC-3036	The course will provide theoretical foundation of ethics and enabling the understanding of ethics from the perspective of Western Philosophers like Aristotle, Kant, Bentham and Mill. The student will also able to understand the ethical dimensions from the perspectives of punishment, profession and environment.
8	PHI-HC-4016	After the completion of the course, students will be able to know the contemporary Indian philosophical ideas of Aurobindo, Radhakrishnan, Gandhi and Vivekananda.
9	PHI-HC-4026	The course will broadly acquaint the students on the concept of philosophy of religion. After completion of the course, the students can be able to understand the different arguments related to religion.

SL. No.	Course Code (s)	Course Outcome
10	PHI-HC-4036	After completion of the course the students will be able to know the different concepts of political and social philosophy ranging from rights and duties to the ideas of multiculturalism.
11	PHI-HC-5016	Students will be able to understand the analytic philosophical ideas of Moore, Russell and Wittgenstein.
12	PHI-HC-5026	The students will be acquainting with phenomenology and existentialism ideas of Kierkegaard, Sartre, Heidegger and Husserl.
13	PHI-HC-6016	The course enables the students to understand the relationship between mind and body.
14	PHI-HC-6026	The course will help the students to evaluate some human values like right, good, bad, etc. in practical life.
15	PHI-HE-5016	The course will provide understanding of philosophy of Upanisads covering the concepts of Cosmic and Acosmic theory, Brahmanm Karma and sansara, liberation, etc.
16	PHI-HE- 6026	It enables the students about the uses of language in understanding a concept.
17	PHI-HE- 6036	After completion of the course, students will able to accumulate the knowledge of ethics in practical life in the field of business, medical, environment and profession.
	PHI-SE-3014	On completion of the course, students are expected to understand the scope of philosophical vis-à-vis psychological counselling, to inculcate self-confidence in one's own abilities to reason and also help in understanding the opinions of the other



Department of Philosophy
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SL. No.	Course Code (s)	Course Outcome
		people.
18	PHI-SE-4014	The students will be able to analyse the original and primary ideas of various thinkers, develop ancillary skills of observation, reasoning, decision making, etc. and also develop effective communication skill.

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Programme Specific Outcome

BA Honours in Political Science

1.

Course Outcome

Honours in Political Science

Sl no.	Course code	Title of the paper	Course Outcome
1	POL HC 1016	Paper I- Understanding Political Theory	To introduce the idea of political theory and various approaches To enable the students to assess the contemporary trends of political theory To reconcile theory and practice in relation to democracy
2	POL HC 1026	Constitutional Government and Democracy in India	To acquaint students with constitutional design of state structures and institutions To understand the conflicts in constitutional provisions To make them comprehend the state institutions in relation to extra constitutional environment.
3	POL HC 2016	Political Theory- Concepts and Debates	After reading the course, the students would- Understand the various concepts in political theory and appreciate how they can be helpful to analyse crucial political issues Understand the significance of debates in political theory in exploring multiple perspectives to concepts, ideas and issues. Appreciate how these concepts and debates enrich political life and issues surrounding it.
4	POL HC 2026	Political Process in India	After completion of the course, the students would be able to- Understand the working of major political institutions in India Understand the major debates in Indian



Sl no.	Course code	Title of the paper	Course Outcome
			politics along the axes of caste, gender, region and religion Understand the changing nature of the Indian state and the contradictory dynamics of modern state power
5	POL HC 3016	Introduction to Comparative Government and Politics	To make students understand the basic concepts in comparative politics. To make students classify the different political systems and historical context of modern governments. To enable students to have a comparative analysis of countries related to their political institutions and behaviour.
6	POL HC 3026	Perspectives on Public Administration	To enable students to learn the basic concepts related to public administration and its importance. To make students learn the major theories of public administration. To enable students to have an understanding of public policy and its formulation. To familiarize students with the major approaches and recent debates related to field of public administration.
7	POL HC 3036	Perspectives on International Relations and World History	To make students understand the key theoretical approaches in International relations. To familiarize students with the evolution of International state systems and its importance. To make students aware of the key theoretical debates in International relations. To enable students to have an overall understanding of International relations in relation to twentieth century IR history.
8	POL HC 4016	Political Processes and Institutions in Comparative Perspective	To understand, comprehend and analyse the complex nature and functioning of the political systems, political institutions and corresponding issues to these both in a country specific case of India and cross-



Sl no.	Course code	Title of the paper	Course Outcome
			country perspectives. To demonstrate critical thinking about key issues of political system of different forms, political process and public policy. To use the contents and sub-units of the course as yardsticks for comparing these political systems and processes.
9	POL HC 4026	Public Policy and Administration in India	After completion of the course, the students would- Be familiarised with and gain knowledge about the processes of public policy making in India and their significance in administering the state. Develop the ability to assess the functioning of the government and the administration in ensuring a citizen centric welfare administration in India.
10	POL HC 4036	Global Politics	To enable students to understand how to approach a wide range of important global political and economic policy problems and participate in public policy debates on the crucial issues facing the world today. To have knowledge of the essential theoretical assumptions underlying globalisation's conceptual frameworks and their relationships to policy interventions. To demonstrate elementary knowledge of major issues and subject-matters surrounding globalisation that decides the international relations- political, economic and security relations- among the nations.
11	POL HC 5016	Classical Political Philosophy	To interpret ideas underlying traditions in classical political philosophy To analyze the debates and arguments of leading political philosophers belonging to



Sl no.	Course code	Title of the paper	Course Outcome
			different traditions of the period To appraise the relevance of classical political philosophy in understanding contemporary politics
12	POL HC 5026	Indian Political Thought-I	To underline themes and issues in political traditions of pre-colonial India. To compare and contrast positions of different political traditions those were present in pre-colonial India. To evaluate the relevance of political thought of pre-colonial India for contemporary politics.
13	POL HE 5016	Human Rights	To describe the basic concepts of human rights To comprehend different approaches regarding human rights To familiarise the role of UNO in the growth and development of human rights To describe different measures taken for the protection of human rights
14	POL HE 5046	Select Constitutions-I	Students will be able to understand the importance of constitutions This paper is an integral part of public services examinations Students will be introduced to the various types of constitutions and the forms of governments from different parts of the world.
15	POL HC 6016	Modern Political Philosophy	To interpret ideas underlying traditions in modern political philosophy To analyze the debates and arguments of



Sl no.	Course code	Title of the paper	Course Outcome
			leading political philosophers of different philosophical traditions To appraise the relevance of modern political philosophy in understanding contemporary politics
16	POL HC 6026	Indian Political Thought-II	To underline themes and issues in political thought of modern India. To compare and contrast positions of leading political thinkers in India on issues those are constitutive of modern India. To assess the relevance of political thought of modern India in understanding contemporary politics.
17	POL HE 6016	Human Rights in India	To describe origin and development of human rights in India To comprehend different measures adopted by India for the protection and development of human rights To familiarise the emerging issues related to human rights
18	POL HE 6046	Select Constitutions-II	Students will be able to understand the importance of constitutions; This paper is an integral part of public services examinations. Students will be introduced to the various types of constitutions and the forms of governments from different parts of the world.

DEPARTMENT OF ZOOLOGY:

Program Outcome (PO)	PO1. Knowledge and understanding of: 1. The range of animal diversity in terms of structure, function and environmental relationships. 2. The evaluation of animal diversity. 3. The role of animals in the functioning of the global ecosystem. PO2. Practical skills: 1. Students learn to carry out practical work, in the field and in the laboratory. 2. Animal identification. 3. Various biochemical analysis of biomolecules. 4. Various types of chromosomal and genetical study. 5. Hematological study, endocrinology and reproductive biology. 6. Bioinformatics tools and techniques and statistics. PO3. Individual and Team work: Field study and departmental activities. PO4. Environment and sustainability: Understand the impact of the animal diversity in societal and environmental contexts, and demonstrate the knowledge of and need for sustainable development. PO5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern instruments and equipment's for Biochemical estimation and use of computer and bioinformatic tools. PO6. Intellectual skills – able to: 1. Think logically and organize tasks into a structured form. 2. Assimilate knowledge and ideas based on wide reading and through the internet. 3. Transfer of appropriate knowledge and methods from one topic to another within the subject. 4. Understand the evolving state of knowledge in a rapidly developing field. 5. Plan, conduct and write a report on an independent term project. PO7. Ethics: Apply ethical principles and commit to environmental ethics and responsibilities and norms of the biodiversity conservation.
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DEPARTMENT OF ZOOLOGY COURSE OUTCOME:

COURSE/SEM ESTER	PAPER CODE	NAME OF THE PAPER	OUTCOME
SEMESTER-I	ZOO-HC-1016	Non-chordates 1:Protista to Pseudocoelomates	1. Learn about the non-chordates 2. Learn about the classification of the invertebrate phyla 3. Learn about the structures of the invertebrate animals 4. Learn about the life cycles of various invertebrate animals with their parasitic activities
	ZOO-HC-1012	Non-chordates 1:Protista	1. Will be introduced

		to Pseudocoelomates	to various invertebrate animals with their classification and characteristics 2. Will be introduced with histological structures of various body parts of invertebrate animals 3. Learn how to prepare microscopic slides of whole mounts of animals 4. Learn how to prepare project reports 5. Will study the diversity of protista in pond water
	ZOO-HC-1026	Principles of Ecology	1. Will be introduced to ecology and its structure 2. Learn about the population, its structure, density and various curves 3. Learn about the community characteristics and various theories 4. Learn about the ecosystem, types, food chain, food web, energy flow 5. Learn about the ecological pyramids, various biochemical cycles 6. Will be acquainted with wildlife and their conservation
	ZOO-HC-1012	Principles of Ecology	Will be introduced to various practicals related to ecology. Students will learn how to prepare a report on field visit. They will learn various biochemical parameters related to ecology
SEMESTER-II	ZOO-HC-2014	Non-chordates II: Coelomates	Will learn about the invertebrate coelomates. Learn about the life cycles of coelomates. Will be acquainted with various body structures and systems of these animals
	ZOO-HC-2012	Non-chordates II: Coelomates	Will be introduced to various invertebrate coelomates with their classification and characteristics

			2Will be introduced with histological structures of various body parts of invertebrate animals 3Learn how to prepare microscopic slides of whole mounts of animals 5. Learn how to prepare project reports
	ZOO-HC-2026:	Cell Biology	Learn about the structure of cell Will learn about various cellular organelles and their functions Will learn about the cell divisions
	ZOO-HC-2022	Cell Biology	Will learn how to prepare temporary slides Will learn staining techniques
SEMESTER-III	ZOO-HC-3016	DIVERSITY OF CHORDATES	Learn about the chordates learn about various systems in chordates Will learn about various mechanisms of chordate life Will learn Zoogeography
	ZOO-HC-3012	DIVERSITY OF CHORDATES	Will learn various animals with their classification and characters Will learn how to prepare slides Will learn how to prepare power point presentation
	ZOO-HC-3026	Physiology: Controlling and Coordinating Systems	Will learn about the tissues,bone, cartilage, nervous system, muscles, reproductive system and endocrine system
	ZOO-HC-3022	Physiology: Controlling and Coordinating Systems	Will learn how to prepare permanent slides by microtomy Will learn about the histological structures of various tissue systems
	ZOO-HC-3036	FUNDAMENTALS OF BIOCHEMISTRY	Students will learn about the various biomolecules Will learn about the structure and functions of biomolecules
	ZOO-HC-3032	FUNDAMENTALS OF BIOCHEMISTRY	Learn about qualitative tests of bio molecules, paper chromatography, salivary amylase, SDS PAGE

SEMESTER-IV	ZOO-HC-4016	COMPARATIVE ANATOMY OF VERTEBRATE	Learn about the comparative anatomy of various systems of vertebrates
	ZOO-HC-4012	COMPARATIVE ANATOMY OF VERTEBRATE	Learn about various types of scales Learn about various organs, skeletons of various animals
	ZOO-HC-4026	PHYSIOLOGY: LIFE SUSTAINING	Learn about physiology of various processes- digestion, respiration, excretion, blood and heart
	ZOO-HC-4022	PHYSIOLOGY: LIFE SUSTAINING	Learn about blood cells, blood group, blood pressure Learn about histological structure of various mammalian organs
	ZOO-HC-4036	BIOCHEMISTRY OF METABOLIC PROCESS	Learn about various metabolism processes in cells
	ZOO-HC-4032	BIOCHEMISTRY OF METABOLIC PROCESS	Learn about the estimation of proteins and various enzymes
Semester V	ZOO-HC-5016	MOLECULAR BIOLOGY	Learn about various biomolecular processes in cell
	ZOO-HC-5012	MOLECULAR BIOLOGY	Learn about chromosomal study, culture of E-coli and estimation of DNA and RNA
	ZOO-HC-5026	PRINCIPLES OF GENETICS	Learn about Mendelian Genetics, mutations and genetical processes
	ZOO-HC-5022	PRINCIPLES OF GENETICS	Learn about Mendelian genetics and human genetics
	ZOO-HE-5016	COMPUTATIONAL BIOLOGY AND BIOSTATISTICS	Acquainted with bioinformatic tools and techniques, biological databases and biostatistics
	ZOO-HE-5012	COMPUTATIONAL BIOLOGY AND BIOSTATISTICS	Learn about biological databases, sequencing and computer applications
	ZOO-HE-5036	ENDOCRINOLOGY	Learn about endocrinology and various endocrine glands and regulation of hormone action
	ZOO-HE-5032	ENDOCRINOLOGY	Learn about endocrine glands, process of ovirectomy and designing of primers
Semester VI	ZOO-HC-6016	DEVELOPMENTAL	Learn about cells,

		BIOLOGY	embryonic development and their various processes
	ZOO-HC-6012	DEVELOPMENTAL BIOLOGY	Learn about various developmental stages through permanent slides, life cycle of Drosophila and report on Drosophila culture
	ZOO-HC-6026	EVOLUTIONARY BIOLOGY	Learn about evolution, evidences, variation, extinction and evolution of horse and human
	ZOO-HC-6022	EVOLUTIONARY BIOLOGY	Acquainted with fossil models, phylogenetic trees with the help of bioinformatics
	ZOO-HE-6026	FISH AND FISHERIES	Learn about fishes, their morphology and physiology Learn about various types of fisheries, aquaculture and fish research
	ZOO-HE-6026	FISH AND FISHERIES	Learn about morphometric and meristic character of fishes, scales of fishes, induce breeding and parental care of fishes
	ZOO-HE-6036	REPRODUCTIVE BIOLOGY	Learn about reproductive endocrinology, male and female reproductive system with their processes and reproductive health
	ZOO-HE-6036	REPRODUCTIVE BIOLOGY	Acquainted with animal house, histological sections of male and female reproductive organs and reproductive devices