

COURSES & PROGRAM OUTCOME CBCS & SEMESTER SYSTEM

ASSAMESE DEPARTMENT (COURSE AND PROGRAMME OUTCOMES) COURSE OUTCOME

ASML – 301 (POETRY, PLAYS)

The students will learn following facts after reading this course.

- The students will have an idea on ancient poems of Assamese literature.
- A clear idea on the Ramayana & Mahabharata given in this course.
- The texture / construction etc of the old Assamese script could be learnt.
- The students will learn about modern Assamese poems and its subjects.
- The students will know about modern Assamese plays and have an idea on the Indian freedom movement of 1942.

COURSE OUTCOME

ASML – 401

(ASSAMESE PROSE, NOVELS AND SHORT STORIES)

The students will learn following facts after reading this course.

- The students will learn about ancient Assamese Prose and its styles.
- They will have an idea on the inception of Assamese plays and its subject matter.
- A clear idea on Assamese short stories and novels could be formed.
- The students will learn about the first Assamese short stories and the culture of tribal people in Assam.

COURSE OUTCOME (ELECTIVE ASSAMESE)

ASMP – 201 (PROSE & SHORT STORIES)

The students will learn following facts after going through this course.

- They will have a clear idea on Brajawali Language of Assam.
- They will learn about ancient Assamese literature and ancient Assamese languages and its styles.
- The students will learn about the role played by lord Krishna in the Mahabharata and subsequently have an idea on Geeta.
- They will learn about the contribution of Sanskrit language in modern Assamese language.
- They will learn about “Xahityar Nabarax” and about devotional literature of Assam.
- They will learn about the various stages of Assamese plays and its characteristics.
- The students will have an idea on the characteristics of Assamese short stories and its place in Assamese literature as a whole.

COURSE OUTCOME

ASMP – 101 (NOVELS & CRITICISIMS)

The following facts could be learn from this course.

- The students will know about evolution of Assamese Novels.
- The characteristics of Assamese poems, plays, Novels and its various elements. And its place in Assamese Literature.
- The students will know about the influence of Western literature in Assamese literature, its similarity and dissimilarities.
- The students will know about the similarity and dissimilarity in all subjects.

COURSE OUTCOME

ASMP – 301 (POETRY)

The students will learn following facts after going through this course.

- They will learn about the stories of the Ramayana and the Mahabharata and the societies reflected in these two epics.
- They will learn the various prevalent rituals that were observed during the birth of a baby and afterwards.
- They will know the influence of devotional literature on the society and the glory of “Bargeet” composed by Srimanta Sankardeva & Madhabdeva.
- An idea on romantic poems, its characteristics and about the authors of these poems, could be formed.
- The students will know about the modern poems, its characteristics and about subject matter of these poems.

COURSE OUTCOME

ASMP – 401 (PLAYS, CULTURE OF ASSAM)

The following facts could be learnt from this course.

- The students will learn about the Brajawali languages and the purpose for the creation of this language by Srimanta Sankardeva.
- They will know about modern Assamese plays, its characteristics and its subject matters.
- They will know about cultures of each tribe of Assam and the differences among their cultures.
- They will know about the various aspects of rituals that were observed during marriage, death, birth and religious activities.
- The students will know about the anthropological features of each tribe of Assam and their assimilation in the Assamese society.

COURSE OUTCOME

ASMP – 501 (SCRIPT, HISTORY OF ASSAMESE LITERATURE)

The students will know following facts from this course.

- They will know the origin of Assamese script and its evolution.
- The students will know about the manuscript written in leaves, inscriptions etc.
- They will know about the preservation of manuscript and about the process how these materials for manuscript were collected.
- The contribution of the missionaries in Assamese literature can be learnt from this course.
- The students will know about the modern Assamese language and literature and the contributions of the various authors.

COURSE OUTCOME

ASMP – 601

(ASSAMESE LANGUAGE, HISTORY OF ASSAMESE LITERATURE)

- The students will learn about the Assamese literature since its inception and its evolution to the present stage.
- They will know the divisions of various literature on the basis of times and various happenings in Assam and its characteristics and dissimilarities.
- They will know about the Indo-European language and its impact on Indian languages particularly in Assamese language.
- They will have an idea on the evolution of Sanskrit, Pali, Prakrit languages.
- They will learn about the sub-languages of Assamese language and its evolutions.
- They will realise the difference between the written language and spoken languages.
- They will know the various words that were derived from other languages.

PROGRAMME OUTCOME :-

In order to have a knowledge on a language, one has to know the origin of it, how it evolves and its journey from birth to the present stage. The students will be benefited if all these facts are covered in a syllabus. Accordingly, all these subjects have to be incorporated in the TDC syllabus and the students will definitely be benefited from it.

GENERAL CHARACTERISTICS :-

The students will get a detail idea on Assamese language, its development and evolution, Assamese literature, Assamese poetry, Novels, Phase etc. from this syllabus.

SPECIAL CHARACTERISTICS :-

The students will know the various texture of Assamese language how it came into existence, factors behind its evolution, differences between other Indian languages, similarities with other Indian languages, influences on Assamese language by other Indian languages as well as Western languages etc. everything is covered in the syllabus.

The growth of Assamese literature, its evolution, its contributions etc. are also included in the syllabus. The syllabus focuses on the various Assamese cultures, written language, spoken languages etc., its regional languages. After all it is a complete syllabus with which a student can have a knowledge of Assamese language, literature, culture etc.

Choice based credit system (CBCS)

Core course

ASMCH – 101

History of Assamese language and script

Axomiya Bhasha aru Lipir Etihash

COURSE OUTCOME : ASMCH – 101

The students will know following facts from this course.

- They will know the origin of Assamese script and its evolution.
- The students will know about the manuscript written in leaves, inscriptions etc.

COURSE OUTCOME : ASMCH – 201

The students will learn following facts after reading this course.

- The students will have an idea on ancient poems of Assamese literature.
- A clear idea on the Ramayana & Mahabharata given in this course.
- They will know the divisions of various literature on the basis of times and various happenings in Assam and its characteristics and dissimilarities.

COURSE OUTCOME : DSCP – 301

- They will learn about the stories of the Ramayana and the Mahabharata and the societies reflected in these two epics.
- An idea on romantic poems, its characteristics and about the authors of these poems, could be formed.
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ASML – 301

ASSAMESE DRAMA, SHORT STORIES AND NOVEL

COURSE OUTCOME : ASML – 301

- The students will learn about the Brajawali languages and the purpose for the creation of this language by Srimanta Sankardeva.
- They will know about modern Assamese plays, its characteristics and its subject matters.
- They will know about cultures of each tribe of Assam and the differences among their cultures.

COURSE OUTCOME : ASML – 401

- They will learn about the stories of the Ramayana and the Mahabharata and the societies reflected in these two epics.
- They will learn the various prevalent rituals that were observed during the birth of a baby and afterwards.
- An idea on romantic poems, its characteristics and about the authors of these poems, could be formed.

COURSE OUTCOME : ASML – 501

- Autobiography is a important thing to read every human being.
- Autobiography control our life and always take care ups and down in every human being.
- Students also inspire to write autobiography.

COURSE OUTCOME : ASML – 601

- It improves the students activity in all parts of their life.

PROGRAMME OUTCOME :-

In order to have a knowledge on a language, one has to know the origin of it, how it evolves and its journey from birth to the present stage. The students will be benefited if all these facts are covered in a syllabus. Accordingly, all these subjects have be incorporated in the TDC syllabus and the students will definitely be benefited from it.

GENERAL CHARACTERISTICS :-

The students will get a detail idea on Assamese language, its development and evolution, Assamese literature, Assamese poetry, Novels, Phase etc. from this syllabus.

SPECIAL CHARACTERISTICS :-

The students will know the various texture of Assamese language how it came into existence, factors behind its evolution, differences between other Indian languages, similarities with other Indian languages, influences on Assamese language by other Indian languages as well as Western languages etc. everything is covered in the syllabus.

The growth of Assamese literature, its evolution, its contributions etc. are also included in the syllabus. The syllabus focuses on the various Assamese cultures, written language, spoken languages etc., its regional languages. After all it is a complete syllabus with which a student can have a knowledge of Assamese language, literature, culture etc.

DEPARTMENT OF BENGALI

COURSE OUTCOME

B.A. Elective Bengali (Pass)

BNGP – 101, History of Bengali literature (Old & Medieval) & Language.	C 01 : Understanding of History of Bengali Literature (Old & medieval) & history of Bengali Language through selected topics.
BNGP – 201, History of Bengali Literature (Modern Period) & Prosody and Rhetoric.	C 02 : Understanding of History of Bengali Literature & theory of Prosody and Rhetoric, scansion etc.
BNGP – 301, Bengali Poetry of Medieval Period.	C 03 : understanding of selected pieces of Bengali Poetry representing the medieval period.
BNGP – 401, Modern Bengali Poetry.	C 04 : Understanding of selected poems from modern Bengali literature. Reflecting the new ideas of modern period of Bengali literature
BNGP – 501, Modern Bengali Prose & Drama	C 05 : Understanding of modern Bengali prose and theoretical aspects of modern Bengali drama and practices.
BNGP – 601, Modern Bengali Novel and Short Stories.	C 06 : Understanding of history of origin and development of modern Bengali Short Stories and Novel.
Course- BNGL Arts : 301 Bengali Literature of Nineteenth Century.	C 01 : Understanding of Bengali Literature of Nineteenth Century from writings of Eminent Bengali writers Bankimchandra Chattopadhyay and Rabindranath Tagore.
Course - BNGL Arts : 401, Bengali fiction & Bengali Language.	C 02 : Understanding of Bengali Fiction and evaluation of language.
Course - BNGL COM : 301, Bengali Prose and Grammar.	<ul style="list-style-type: none"> • C 03 : Understanding of Bengali prose and grammar through selected texts.

Course - BNGL COM : 401, Bengali fiction & Essays.	<ul style="list-style-type: none"> • C 04 : Understanding of Bengali Short Stories and Essays through selected texts.
Course - BNGL Sc. : 301, Bengali Literature of Twentieth Century.	<ul style="list-style-type: none"> • C 05 : Understanding of different part of Bengali Literature of 20th Century through selected texts.
Course - BNGL Sc. : 401, Bengali Novel and Essays.	<ul style="list-style-type: none"> • C 06 : Understanding of Bengali novel and essays of eminent writers through selected texts.

COLLEGE OFFERING THE THREE YEAR PROGRAMS IN ECONOMICS (PASS)

DEPARTMENT OF ECONOMICS

PROGRAM OUTCOMES:

PSO1 : After completion of the general degree program in Economics (pass) the students will be able to critically think the behaviour of demand and supply, prices of different commodities and consumers' ends and means and also learn different kind of concept on prevailing markets.

PSO2: Students will also be able to learn the basic concept of macroeconomic policies including monetary and fiscal policies like- investment, government expenditure, employment, consumptions, international trade, etc.

PSO3: Students can critically think about the importance of liberalization, globalization, localization and its impact on India as well as rest of the World economy.

COURSE OUTCOME IN BA ECONOMICS (PASS):

1. 101 & 201: Micro Economics-I & II: CO1: Students understand the behaviour of demand and supply in fixing prices of different commodities in different markets. Students also become able to critical thinking on the consumers' behaviour centering round their ends and means and acquire knowledge about the different kind of markets available in the locality as well as rest of the world.

2. 301 & 401: Macro Economics- I & II: CO2: Able to analyse the different basic concept of macroeconomic policies including monetary and fiscal policies like- investment, government expenditure, employment, consumptions, international trade, etc.

3. 501 & 601: Development of Indian Economy (since Independence-I & II): CO3: Understand the Indian economy in the context of liberalization, globalization, localization, etc. and the recent trend of Indian and world economy as a whole.

DEPARTMENT OF ENGLISH

PROGRAM SPECIFIC OUTCOME

Programme	
B.A. (English Honours)	PSO1: To classify a specific genre of literature and give illustration of the characteristics from literary texts and thereby explore literary works to find out the structure and its significance. PSO2: To understand the various components of the linguistic structures of the language. PSO3: To familiarize the students with the literatures from different corners of the world, either as translations of other languages in English or as New Literatures in English. PSO4: It helps the students develop their methodological skills and specific concepts in a literary text in an analytical and critical way through the study of Literary Theory and Criticism.

COURSE OUTCOME

COURSE (HONOURS)	
ENGL 101 Beginning to the Elizabethan Age	CO1: To enable students to have a broad understanding of the history of English Literature from Beginning to the Elizabethan Age and to acquaint them with the seminal poetic voices through the study of selected texts.

ENGH 102 Jacobean to Augustan Age	CO1: To enable students to have a broad understanding of the history of English Literature from Jacobean to Augustan Age and to acquaint them with the seminal poetic voices through the study of selected texts.
ENGH 103 Romantics and Victorians	CO1: To enable students to have a broad understanding of the history of English Literature from Romantics and Victorians and to acquaint them with the seminal poetic voices through the study of selected texts.
ENGH 201 The Elizabethan Age	CO2: To acquaint students with representative dramas and non-fictional prose writings of the Elizabethan Age through the study of selected texts.
ENGH 202 Jacobean to Augustan Age	CO2: To acquaint students with representative dramas and non-fictional prose writings from Jacobean to Augustan Age through the study of selected texts.
ENGH 203 Romantics and Victorians	CO2: To acquaint students with representative dramas and non-fictional prose writings of the Romantics and Victorians through the study of selected texts.
ENGH 301 Twentieth Century Literature up to 1970	CO3: To enable students to have a broad understanding of the history of English Literature of the period and to acquaint them with the seminal poetic voices through the study of selected texts.
ENGH 302 Literary Theory and Criticism	CO3: To enable students to have a broad understanding of a few seminal critical formulations in the study of literature and to acquaint them with the figures of Speech.
ENGH 303 American Literature	CO3: To enable students to have a broad understanding of American Literature through the study of selected literary texts
ENGH 401 Twentieth Century Literature upto 1970	CO4: To enable students to know about the representative fictional dramatic, and non-fictional prose writing of the period through the study of selected texts.
ENGH 402 Critical Theories, Prosody & Critical Appreciation	CO4: To enable students to have a broad general understanding of a few seminal critical approaches in the study of Literature and also to acquaint them with prosody and critical appreciation of a given poem.
ENGH 403 American Literature	CO4: To enable students to have a broad general understanding of American Literature through the study selected literary text.
ENGH 501 Indian Writing in English	CO5: To enable students to have a broad general understanding of Indian Writing in English through the study selected literary text.
ENGH 502 New Literatures in English	CO5: To enable students to have a broad understanding of New Literatures in English through the study selected literary text.
ENGH 503 History of English Language	CO5: To familiarise students with the English Language and its Development.
ENGH 601 Indian English Literature	CO6: To enable students to have a broad understanding of Indian Writing in English through the study of selected literary text (Fiction and Non-fiction).
ENGH 602 New Literature in English	CO6: To enable students to have a broad understanding of New Literatures in English through the study of selected literary text.
ENGH 603 World Literatures in English Translation	CO6: To acquaint students with World Literatures in English Translation through the study of selected texts.

B.A. COURSE OUTCOME (PASS)

ENGG	CO1: To familiarize the students with some of the selected areas of English Grammar which are known to cause difficulty to learners, to help them overcome some common mistakes and also to teach them the skill of appreciation of English Prose and Poetry through the study of the prescribed texts, and develop the skills of written communication.
ENGL	CO1: To enable students to develop the skill of appreciating English Literature through the study of selected texts.
ENGP 101 Poetry (Up to the Romantics) and Applied Language Skills	CO1: To enable students to develop their skill to appreciate English poetry through reading selected poems and to acquaint them with applied language skill.

ENGP 201 Poetry and Short Story	CO2: To enable students to have acquaintance with Indo- Anglian poetry and to develop their skill of appreciating English Literature through their study of selected text.
ENGP 301 Drama and Non-fictional Prose Writing	CO3: To enable students to appreciate dramas and Non-fictional prose through the study of selected text.
ENGP 401 Fiction and Applied Language Skills	CO4: To enable students to develop skill to appreciate fictional narrative and applied language skills.
ENGP 501 20 th century Drama & Non- Fictional Prose	CO5: To enable students to appreciate 20 th century English Drama and develop skill to appreciate non-fictional prose through study of selected text.
ENGP 601 Major Literary Movements in English Literature & Critical Appreciation of a poem.	CO6: To enable students to have a broad general understanding of the major literary movements from the Romantics to the Moderns and to develop skill of writing critical appreciation of a given poem.

DEPARTMENT OF HISTORY
Haflong Government College, Haflong.

PROGRAM SPECIFIC OUTCOMES

- PSO 1 : Analyse the different environmental issues.
 PSO 2 : Understand the Indian Culture and Civilisation ---- Ancient, Medieval and Modern.
 PSO 3 : In depth study of World History with special reference to Europe, China and Japan.
 PSO 4 : Focus on the History of North-East India.
 PSO 5 : Understand the different facets of the Gender Studies of India.

COURSE SPECIFIC OUTCOMES

- **HISTORY OF ENVIRONMENT**
 Create awareness about various natural disasters & man-made calamities like deforestation, global warming, destruction of wild life.
 Analyse the various movements for the protection of environment.
- **HISTORY OF INDIA : Ancient, Medieval and Modern.**
 Study the Social, political, religious, economic life during the different periods of Indian history.
 Emphasis is given on the Indian National Movement.
- **HISTORY OF EUROPE (1780-1945)**
 Familiarise the students with the Industrial Revolution, French Revolution and Other Revolutions --- the two World Wars and their Outcomes.
- **HISTORY OF EAST ASIA : CHINA AND JAPAN**
 Learn about Confucian ideology, Sun-Yat-Sen, Mao Tse-Tung and Cultural Revolution, Feudal Japan, Japanese militarism and Sino- Japanese War.
- **HISTORIOGRAPHY**
 Understand historical objectivity, concept, tradition of historical writing, Medieval historiography, Modern historiography, Ancient Indian historical tradition, General histories of Sultanate period, Mughal historiography, Imperialist historiography, Nationalist historiography and Marxist historiography.
- **HISTORY OF NORTH-EAST INDIA WITH SPECIAL REFERENCE TO ASSAM (1228-1947)**
 Study the land and people of North-East India---Ahoms and their struggle with the Mughals, Ahom relations with Cacharis , Jaintias, Manipur and Tripura, Burmese invasion, British rule in Assam, National Movement in Assam.
- **GENDER HISTORY OF INDIA**
 Create awareness about women studies, gender relations in pre-colonial and colonial India, women education and women in Nationalist Movement.

Department of Philosophy
COURSE OUTCOME OF PASS PAPERS

Course: PHIP-101, Epistemology and Metaphysics: Indian

CO 1: Understanding of epistemological and metaphysical theories of different philosophical systems of Indian Philosophy.

Course: PHIP-201, Epistemology and Metaphysics: Western

CO 2: Understanding of different philosophical theories of western philosophical traditions on main philosophical issues.

Course: PHIP-301, Ethics: I

CO 1: Understanding of different ethical perspectives on ethical problems and clarify the fundamental ethical concepts.

CO 2. Understanding of principal theories of ethical standards and the ability to apply these to special cases.

Course: PHIP-401, Ethics-II

CO 1: Understanding of principal theories of ethical standards and the ability to apply these to specific ethical problems.

CO 2 Understanding of ethical theories of Indian Philosophical system

CO 3 Understanding of the theories of punishment and making an assessment of their relative merits and demerits.

CO 4 Apply the ethical principles to issues and decisions relating to environment.

Course: PHIP-501, Logic-I

CO 1: Understanding of the principles of deductive and symbolic logic and ability to test arguments.

CO 2: Understanding theories of scientific methods.

CO 3: Capability of conducting empirical research.

Course: PHIP-601, Logic-II

CO 1: Understanding of the principles of deductive and symbolic logic and ability to test arguments.

CO 2: Understanding theories of scientific methods.

Programme Specific Outcomes of B A(Honours) Programme in Philosophy

PSO 1. Understanding of the methods, fundamental principles and concepts of the discipline of philosophy and its different branches such as epistemology, metaphysics, ethics etc. and its allied discipline such as logic, philosophy of religion, social and political philosophy.

PSO 2. Knowledge of the philosophical theories and their historical developments and inter-relations.

PSO 3. Developing philosophical knowledge of the ancient, modern and contemporary western tradition as well as the Indian tradition.

PSO 4. Capability and skill in analyzing philosophical problems and evaluating solutions offered to solve them.

PSO 5. Ability to search for new philosophical questions and problems.

PSO 6. Ability to suggest for new solutions to philosophical problems.

PSO 7. Developing logical skills to evaluate arguments. Analytical ability to clarify concepts and bring accuracy in thinking and arguments.

PSO 8 Developing ability to understand and interpretation classical works of great philosophers.

PSO9. Knowledge of Contemporary philosophical issues and the current developments in the disciplines

Course Outcome of Honours Papers

Course: PHIH-101, Problems of Philosophy-I

CO 1: Understanding theories of knowledge, truth.

CO 2 : Capability of critical understanding of fundamental assumptions of thought and reality.

Course:PHIH-102, Indian Philosophy-I

CO 1: Understanding the theories of Indian Philosophical systems.

Course: PHIH-103, Outlines of Western Philosophy

CO 1: Understanding and assessment of the theories of western philosophical traditions.

Course: PHIH-201, Problems of Philosophy

CO1: Understanding of theories of reality, categories and values.

PHIH-202

Course: Indian Philosophy-II

CO1: Understanding and assessment of theories of Indian logic and epistemology.

Course: PHIH-203, Outlines of Western Philosophy-II

CO1. Understanding of the philosophical theories of Western Philosophy.

Course: PHIH-301, ETHICS-I

CO1. Understanding and application of ethical theories of western tradition.

Course: PHIH-302, Logic-I

CO1. Understanding of principles of traditional symbolic logic and ability to test arguments.

PHIH-303 Course: Social and Political Philosophy

CO1. Understanding concepts and theories of social and political philosophy.

Course: PHIH-401 Ethics-II

CO1. Understanding of Indian system of values.

CO2. Understanding of contemporary Ethical problems.

Course: PHIH-402, Logic-II

CO1. Ability to test arguments.

CO2. Understanding the theories of Inductive Logic.

Course: PHIH-403, Social and Political Philosophy-II

CO1. Understanding the theories of political and social philosophy.

Course: PHIH-501, Contemporary Philosophy: Indian

CO1. Understanding and assessment of the philosophical ideas and concepts of contemporary Indian Philosophy.

Course: PHIH-502, Philosophy of Religion

CO1. Understanding the theories relating nature and origin of religion.

Course: PHIH-503 General Psychology-I

CO1. Understanding the nature and methods of psychology and psychological basis of mental life.

CO 2. Understanding the nature and the process of sensation, perception and attention, memory, imagination and emotion.

Course: PHIH-601, Contemporary Philosophy: Western

CO1. Understanding the different philosophical theories of contemporary western philosophy such as analytical philosophy, existentialism and phenomenology.

Course: PHIH-602, Philosophy of Religion-II

CO1. Understanding the issues of philosophy of religion.

Course: PHIH-603, General Psychology-II

CO1. Understanding of the branches of psychology, psychological concepts, developmental psychology.

DEPARTMENT OF POLITICAL SCIENCE B A (Honours) Political Science

Programme specific outcomes-

1. To understand different approaches of political science and to apply this into contemporary political problems.
2. It will help to understand political behavior and formulate logical arguments about political phenomena.
3. Helps to understand how a political institution emerges, operates and interact with the external environments and shape their individual and collective behaviors.
4. To understand Indian politics and its working both internally and externally.
5. Understand and be able to interrelate different political theories in the context of Indian politics.

Course outcome –

- ❖ Introduction to the political theory
This will help to understand the basic ideas about political science including origin of state, sovereignty, power, authority etc.
- ❖ Theories of International relations
Discuss the main international relations theories, and the values implicit in each of these different ways of looking at the world. Students will understand and be able to critically analyze domestic and international institutions of government
- ❖ Greek political thinkers
This paper will give an understanding of the Greek political traditions and an insight into the contributions of Sophists, Socrates, Plato and Aristotle.
- ❖ Comparative Government and Politics

Study of this paper will give an insight into functioning of the different political systems in the world.

- ❖ Political Sociology
Study of Political Sociology will give an understanding of the interdisciplinary study between Political Science and Sociology.
- ❖ Public Administration :Theories and Concepts
Gives an understanding of evolution and working of public administration. It emphasize on theoretical aspects of public administration.
- ❖ Government and Politics in India
This paper will create awareness on the formation and functioning of the Indian Government.
- ❖ Freedom Movement and Politics in North East India
Gives an understanding of the freedom movements carried out by the north East Indians. Its nature and growth in different parts of the region. It gives an insight into the reason for growth of different movements like Assam movement, language movement, autonomy , statehood and insurgency in the region.
- ❖ Socialist Thinkers
Familiarize the contributions of the socialist thinker's in the contemporary world.
- ❖ Modern Political Thinkers
Give an understanding of theoretical perspective of modern political thinkers like Machiavelli, Hobbes, Locke, Rousseau and J.S. Mill.

PROGRAM OUTCOMES OF DEPARTMENT OF COMMERCE

The Department of Commerce, Haflong Government College, Haflong, Assam, which is Affiliated to Assam University, Silchar, offers the following three programmes of study:

1. B.Com. (Pass),
2. B. Com. (Honours in Accountancy) and
3. B.Com. (Honours in Business Management)

The programmes and courses are executed by the department is designed and prescribed by the Assam University, Silchar. The programme aimed to provide the student with a wide range of knowledge and skills. The programme is so designed that it focuses both on academic subjects like statistics or Economics as well as practical business subjects like accountancy, law, management, marketing, finance etc. The programmes provide a platform for experimental learning and grooms students towards industry specific curriculum with focused approach on specific areas which are crucial in the management of companies.

After completing the programme the candidate will be able to:

- Build a strong foundation of knowledge in different areas of Commerce.
- Develop the skill of applying concepts and techniques used in Commerce.
- Develop an attitude for working effectively and efficiently in a business environment.
- Integrate knowledge, skill and attitude that will sustain an environment of learning and creativity among the students.
- Improve their computer literacy, their basic understanding of operative systems and a working knowledge of software commonly used in academic and professional environments.
- Expose students about entrepreneurship.
- Develop functional and general management skills.
- Inculcate a global mindset.
- Evaluate different business problems using analytical and creative, and integrative abilities.
- Build and Demonstrate leadership, teamwork, and social skills.
- Communicate effectively in different contexts.
- Analyze socio-political-economic environment of business organizations.
- Enable a student to make decisions at personal and professional level.
- Demonstrate an integrated understanding of key concepts, techniques and trends in one or more fields of commerce.
- Able to apply their knowledge and skill to face the challenges and opportunities involved in diverse contexts.
- Ready for employment in functional areas like Accounting, Taxation, Banking, Insurance and Corporate Law.

- Able to start own entrepreneurial activities.
- Inculcate ethical values, team work, leadership and managerial skills.
- Exhibit inclination towards pursuing professional courses such as CA/ CS/CMA/CFA etc.

Course outcome

The Bachelor of Commerce courses of Department of Commerce, Haflong Government College aims to provide students with the knowledge, tools of analysis and skills with which they can understand and participate in the modern business and economics world, to prepare them for further studies and to achieve success in their professional careers. The outcome of different courses offered by the department are summarised below:

S. No.	Name of Course	Course Outcome
1	Financial accounting	The course enables the students to understand the application of basic accounting techniques. It provides the students the technique of application of accounting principle in practice.
2	Financial Market Operation	The course helps to acquaint the students with the working of financial & capital market in India.
3	Corporate Accounting	The course helps the students to develop awareness about corporate accounting and provisions of Companies Act.
4	Principles of Management	This course is prepared for developing and understanding the application of various principles of Management in business.
5	Business Economics	The students will be able to know how the principles of business economics are applicable in business.
6	Business Mathematics	The outcome of this course is to enable the students to have basic ideas of mathematics which is applicable in business.
7	Financial management	It helps in developing and understanding the application of financial management techniques.
8	Cost Accounting	It aims at developing and understanding application of cost accounting techniques used in business and industries.
9	Business Statistics	It provides the students to gain understanding of statistical techniques as are applicable to business.
10	Entrepreneurship	The students will understand the basic concepts, problems and opportunities of entrepreneurship after going through this course.
11	Business Environment	The course provides the students the emerging issues in business at the national and international level in the light of policies of liberalization and globalization.
12	Information Technology in Business	The outcome of the course is to familiarize the students with the innovation in information technology and how it effects business. Besides the practical knowledge is also imparted to the students through this course for development of skill.
13	Elements of Income tax	This course aims to develop and understand the fundamental law and practice of income tax. It will help the students to solve the practical problems of income tax of business firms as well as individuals.
14	Law & Practice of Taxation	Besides giving some basic concepts about direct and indirect taxes this course provides knowledge to the students about sales tax laws, custom duties and central excise.
15	Management Accounting	It aims at developing and understanding of the application of various management accounting concept, tools and techniques.

Department of Botany Haflong Govt, College

Programme Specific Outcome of B,SC (Honours) Botany (Odd & even semester)

Name of course	Outcome
History of Microbiology	I .Microbiology study can be understood the origin of life ii. It gives economic importance of living organisms

Cryptogams	i . Analyse value of diversities and systematic groups of Plant ii.Understanding morphology diversity of bryophytes and pteridophytes
Evolution, Diversity of Phanerogams, Gymnosperms	I Evolution of plant helps sequence of life, gradually improved differentiation of living organisms ii. It is understood lower and higher plant and can be arranged in systemically in order to origin.
Ecology and Phytogeography, Angiosperms	i.It is the level of benefits that the space, water, minerals, biota and all factors that make up natural ecosystem ii.understand the organism and environment relationship the atmosphere iii. Systemetic , classification and Identification the main aspect for study of living organism of the earth surface.
Cell Biology	i.Understand the chromosome number, heredity of the species ii.To Study the modern strategies applied of new superior crop varieties.
Plant Physiology and Biochemistry	I.Understand the plant requirement for growth and development and its element helps in value addition for human being.
Development of Plants and their utilization	i.Understand the value addition of plant product ii.Proper positive aspect directly impact on nutrition and economics
Ethnobotany, Horticulture, Palynology and Palaeobotany	i.understand primitive idea, use of plant in traditional method of the ethnic group of society ii.Understand the value of crop plant, Nutrition value, etc. help in fossil identification of the earth surface
Environmental Biology	i.It provides save of life from devastation of natural as well as artificial phenomenon ii. Study of discipline created good relation between living organism and environment, adaptation themselves on earth surface
Genetics	I.Understand qualitative and quantities characters of living organisms
Plant Breeding, Molecular Biology and Biotechnology	i.Understand the development of genetically modified organisms for increasing crop yield. ii. Reduce post harvest loss, tolerate herbicides, improves nutritional value of food ii. Learn the scope and importance of molecular biology
Plant Pathology	i.Understand resist pest attack, enhance production of crop plant, ii. Reduce dependence on pesticides or insecticides ii. Know the concept and characteristics of antiseptic, disinfection and their mode of action

Course of outcome of B.SC (HONS) all papers:

The range of plant diversity in terms of structure, function and environmental relationships.

Thinks logically and organised tasks into a structural form.

Understand the evolving state of knowledge in a rapidly developing field.

Conduct and test hypothesis.etc.

Apply the knowledge of basic science, life science and fundamental process of plants to study and analyze any plant form

Programme Specific outcome B.SC (pass) Botany

Botp101: Diversity of Microbes and Cryptogam

On completion of the course, student s are able to;

Understand the diversity among algae

Understand life cycle of alge, useful and harmful activity of algae, Fungi

Understand the economic importance of algae and fungi

BOTP201: Cytogenetics

On completion of the course, student is able to;

The eukaryotic cell cycle and mitotic and meiotic cell division

Structure and organization of cell membrane

To understand the different types of genetics interaction, incomplete dominance, codominance, inter allelic

Genetic interactions, multiple alleles and quantitative inheritance etc.

BOTP301: Diversity of Seed Plant and their Systematic

On completion of the course, student is able to;

Know the scope and importance of the discipline

Know the concept of methodology in taxonomy

Learn about conservation of biodiversity, Non conventional Energy and pollution

BOT401: Structure, Development and reproduction in flowering Plants

On completion of the course, student is able to;

Know about the conceptual development of flowering Plants

Understanding the diversity and the evolutionary trends affinities of living plants in respect of internal and External features

Know the methods of pollination and fertilization

BOTP501: Plant Physiology and Biochemistry

On completion of the course, student is able to;

Structure and general function of enzymes

Understand the movement of sap and absorption of water in plant body, plant movement etc.

Understand the biochemical nature of cell

Know the chemical nature of biomolecules.

BOTP601: Biotechnology, Ecology and Utilization of Plants

On completion of the course, student is able to;

Gain knowledge about the mechanism and essential component required for Prokaryotic DNA replication

Know about the genetic Engineering

Understanding the economic importance of plant and their value addition.

Acquiring knowledge about the plant habitant and environment relation.

Course of outcome of B.SC (Pass) all papers:

Critically evolution of idea and arguments by collection relevant information about the plants, so as recognise the position of plant in the broad classification and phylogenetic level.

Accurate interpretation of collected information and use taxonomical information to evaluate and formulate a position of plant in taxonomy.

Students will be able to present scientific hypotheses and data both orally and in writing in the formats that are used by practicing scientists.

Students will be able to apply fundamental mathematical tools and physical principles to the analysis of relevant biological situations.

B.Sc. With CHEMISTRY (Honours) Programme

Course Outcomes

First Semester (Hons)

CHMH-101: Inorganic Chemistry

Describe the structure of atom, theories of chemical bonding, concept of Nanomaterials, compounds of noble gases, oxide and oxoacids of halogens, compounds of nitrogen family, manufacture types of cement and preparation and uses of some common fertilizers.

CHMH-102: Organic Chemistry

Describe the bonding in organic compounds, basic concepts of reaction mechanism & reactive intermediates, synthesis & reactivity of aliphatic and aromatic halogen compounds, alcohols and ethers.

CHMH-103: Physical Chemistry

Describe the concept of gaseous state & solid state, thermodynamics, phase equilibrium of one & two component system and probability.

Second Semester (Hons)

CHMH-201: Inorganic Chemistry

Explain classical wave equation in one dimension & three dimension system, theoretical basis of qualitative inorganic analysis, theories of nuclear force and chemistry of Paints.

CHMH-202: Organic Chemistry

Describe the concept of stereochemistry, Nucleophilic Substitution reaction and active Methelene Compounds.

CHMH-203: Physical Chemistry

Explain the critical Phenomenon, Surface Phenomenon and thermochemistry.

CHMH-204: Practical

Qualitative analysis of inorganic sample mixture with four radicals, Inorganic synthesis and Laboratory techniques.

Third Semester (Hons)

CHMH-301: Inorganic Chemistry

Describe the study of Coordination complexes and theories of chemical bonding.

CHMH-302: Organic Chemistry

Describe the details of Carbohydrates, Terpenoids, alkaloids and types of polymers and polymerization process.

CHMH-303: Physical Chemistry

Explain Thermodynamics, Chemical equilibrium, Solution, colligative properties and Electrochemistry.
Fourth Semester (Hons)

CHMH-401: Inorganic Chemistry

Application of coordination compound, General study of Lanthanides and Actinides, Molecular Orbital Theory and Magneto Chemistry.

CHMH-402: Organic Chemistry

Describe Polynuclear Hydrocarbon, Amino acids, Vitamins, Dyes and Green Chemistry.

CHMH-403: Physical Chemistry

Explain Second law of thermodynamics, Chemical Kinetics, Colloidal state and Electrochemistry and Diffusion.

CHMH-404: Practical

Estimate ferric iron, copper, acetic acid barium, sulphate, nickel, detection of elements & functional group in organic compound and Physical experiments.

*Fifth Semester (Hons)*CHMH-501: Inorganic Chemistry

Describe crystal structure, Colorimetry, Flame photometry, Statistical analysis of experimental data and inorganic reaction mechanism.

CHMH-502: Organic Chemistry

Describe Hetero cyclic compounds, uv-visible spectroscopy, Infrared Spectroscopy and Mass spectroscopy and Organic photochemistry.

CHMH-503: Physical Chemistry

Explain third law of thermodynamics, Photochemistry and Liquid crystal.

*Sixth Semester (Hons)*CHMH-601: Inorganic Chemistry

Describe Alloys and intermetallic compounds, Environmental Chemistry, Molecular symmetry, and Bioinorganic Chemistry.

CHMH-602: Organic Chemistry

Describe Organometallic compounds, Nuclear magnetic resonance spectroscopy and Pericyclic reaction and Pharmaceutical compounds.

CHMH-603: Physical Chemistry

Explain Elementary quantum mechanics and Statistical thermodynamics.

CHMH-604: Practical

Organic synthesis, estimation of glucose, cholesterol, urea, uric acid and physical experiments.

B.Sc. With CHEMISTRY (General)*First Semester (General)*CHMP-101: Inorganic, Organic & Physical Chemistry

Describe the structure of atom, compounds of noble gases, bonding in organic molecules, stereochemistry of organic molecules, details of gaseous state, liquid state and solid state.

*Second Semester (General)*CHMP-201: Inorganic, Organic & Physical Chemistry

Describe periodic properties of elements, theories of acids and bases, compounds of nitrogen family, coal, petroleum and petrochemicals, arene and elementary idea of thermodynamics, phase equilibrium & solution.

CHMP-202: Practical

Inorganic qualitative analysis of a salt mixture containing four radicals and laboratory Techniques.

*Third Semester (General)*CHMP-301: Inorganic, Organic & Physical Chemistry

Describe coordination compounds, nuclear chemistry, bio-inorganic chemistry, carboxylic acid & their derivatives, amino acids, carbohydrates, Thermodynamics and thermochemistry.

*Fourth Semester (General)*CHMP-401: Inorganic, Organic & Physical Chemistry

Explain theories of bonding in complexes, environmental chemistry, peptide & protein, urea, chromatography, chemical equilibrium and chemical kinetics.

CHMP-402: Practical

Volumetric estimation of ferrous & ferric iron and qualitative organic analysis.

*Fifth Semester (General)*CHMP-501: Inorganic, Organic & Physical Chemistry

Explain theories of chemical bonding, crystal structure, Heterocyclic compounds, electrochemistry photochemistry and colloidal state.

*Sixth Semester (General)*CHMP-601: Inorganic, Organic & Physical Chemistry

Describe electronegativity, VSEPR theory, Lattice energy, Dyes, organometallic compounds, elementary quantum mechanics and spectroscopy.

CHMP-602: Practical

Determination of viscosity and surface tension of a liquid and preparation of Aspirin, Iodoform, Urea-oxalate, etc.

DEPARTMENT OF PHYSICS

Programme specific outcome

Programme	
B.Sc. (Physics Honours)	PSO1 : To understand and apply fundamental concepts of classical physics, viz., mechanics, electromagnetism, optics, heat and thermodynamics. PSO2 : To understand and apply selected topics of modern physics, viz.,relativity, quantum mechanics, nuclear physics, solid state physics. PSO3 : To understand various mathematical techniques used in the application of physical problems. PSO4 : To understand and perform various experiments in general physics, electricity, optics and electronics .
B.Sc. (Physics Pass)	PSO1 : To understand and apply selected topics of classical physics, and elementary concepts of modern physics. PSO2 : To understand and perform various experiments of basic physics.

Course outcome for B.Sc. (Honours) courses

Course	
(PHSH101) Mechanics and general properties Of matter	CO1 : To understand the basic principles of motion of objects, and gravitation.
(PHSH102) Mathematical Physics I	CO1 : To be able to solve physical problems using vectors, curvilinear coordinates and matrices.
(PHSH103) Geometrical optics, waves and oscillations	CO1 : To derive and understand geometrical optics starting from Fermat's principle and, waves and oscillations.
(PHSH201) Physical Optics	CO1 : To apply and understand all aspects of Physical optics, including polarization of light.
(PHSH202) Heat and thermodynamics	CO1 : To apply and understand basic concepts of heat and thermodynamics for solving physical problems.
(PHSH203) Electricity and Magnetism I	CO1 : To understand basic electricity and magnetism starting from Coulomb's and Biot-Savart law.
(PHSH204) Honours Laboratory I	CO1 : To perform basic experiments in general physics, optics and electricity.
(PHSH301) Classical mechanics, theory of relativity	CO1 : To understand the Lagrangian and Hamiltonian approach of classical mechanics, and also Einstein's special theory of relativity.
(PHSH302) Computational Physics	CO1 : To learn use of C++, Fortran languages for solving differential equations, roots and numerical integration.
(PHSH303) Mathematical Physics II	CO1 : To learn and apply basic techniques for solving differential equations, tensors and complex numbers.
(PHSH401) Electricity and Magnetism II	CO1 : To study and understand advanced concepts in electricity and magnetism.
(PHSH402) Electronics	CO1 : To understand and apply basic topics of electronics like transistors and oscillators.
(PHSH403) Statistical Mechanics, Plasma Physics	CO1 : To understand the three different types of statistical mechanics, and plasma physics.

(PHSH404) Honours laboratory II	CO1 : To perform advanced level experiments in general physics, spectroscopy and electricity.
(PHSH501) Atomic and Molecular Physics	CO1 : To understand and study various applications of atomic and molecular physics.
(PHSH502) Condensed Matter Physics	CO1 : To study and understand crystallography, solid state physics and condensed matter physics.
(PHSH503) Quantum Mechanics	CO1 : To understand basic concepts of quantum mechanics, and Schrodinger's formulation.
(PHSH601) Astrophysics and Cosmology	CO1 : To learn and understand the Universe on a small scale (astrophysics), and on a very large scale (cosmology).
(PHSH602) Nuclear and particle physics	CO1 : To understand nuclear physics theory, nuclear reactions, nuclear detectors and particle physics.
(PHSH603) Digital electronics, Solidstate devices, Nanophysics	CO1 : To study advanced concepts in electronics, solid state devices, and nano physics.
(PHSH604) Honours Laboratory III	CO1 : To perform advanced experiments in electronics, and complete a project.

Course outcome for B.Sc. (Pass) courses

Course	
(PHSP101) Mathematical physics, mechanics and relativity	CO1 : To study and understand basic concepts in mathematical physics, mechanics and relativity.
(PHSP201) Electricity and Magnetism	CO1 : To learn and apply elementary concepts in electricity and magnetism.
(PHSP202) General laboratory I	CO1 : To perform basic level experiments in general physics, optics and electricity.
(PHSP301) Heat and Thermodynamics	CO1 : To study and understand basic concepts in heat and thermodynamics.
(PHSP401) Waves, Oscillations and optics	CO1 : To learn and apply elementary concepts in waves, oscillations and optics.
(PHSP402) General laboratory II	CO1 : To perform advanced level experiments in general physics and magnetism.
(PHSP501) Quantum Mechanics, atomic and nuclear physics	CO1 : To study and understand basic concepts in quantum mechanics, atomic and nuclear physics.
(PHSP601) Crystallography and electronics	CO1 : To learn and apply elementary concepts in crystallography and electronics.
(PHSP602) General Laboratory III	CO1 : To perform basic level experiments in spectroscopy and electronics..

DEPARTMENT OF MATHEMATICS

COURSE OUTCOMES OF MATHEMATICS

MTMP 101:

Outcome 1: Students will demonstrate the ability to solve equations involving trigonometric values and the ability to prove trigonometric identities.

Outcome 2: Students will demonstrate the ability to use the Basics Algebraic and Matrix concepts to analyze "real world" issues.

MTMP 201:

Outcome 1: Students will demonstrate the ability to algebraically and graphically analyze functions.

Outcome 2: Students will demonstrate the ability to model Abstract Algebra.

MTMP 301:

Outcome 1: Students will interpret average rate of change over an interval and instantaneous rate of change for a function at a point. Also, able to utilize appropriate theory and solution techniques for the problems of Taylor series with its interval of convergence for use in a variety of applications such as approximating values of a function and studying the behavior of a function.

Outcome 2: Students will gain the ability to evaluate indefinite and definite integrals by selecting and correctly applying appropriate integration techniques(s).

MTMP 401:

Outcome 1: Students will demonstrate the ability to solve a variety of differential equations analytically and numerically.

Outcome 2: Understand and able to apply the concepts of Vector function, vector field, scalar field, gradient, divergence and curl. Also, understand formulae for parametric equation of a line and plane and explain geometrical and physical interpretations.

MTMP 501:

Outcome 1: Students will apply trigonometry and basic geometry to applied technical problems, and also apply basic Calculus, Integral and geometry to problems in Statistics and Dynamics.

Outcome 2: Understand and be able to apply other basic dynamics concepts - the Work-Energy principle, Impulse-Momentum principle and the coefficient of friction.

MTMP 601:

Outcome 1: Formulate a combinatorial optimization problem efficiently and Apply the simplex method for solving linear programming problems.

Outcome 2: Express the dual of a linear programming problem, interpret the results and obtain solution to the primal problem from the solution of the dual problem. Also, Apply the transportation simplex method to solve transportation problems.

DEPARTMENT OF ZOOLOGY

Program Specific outcomes

PSOs of B.Sc. Zoology:

PSO1: Understand the nature and basic concepts of Cell Biology, Histology, Physiology, Genetics, Organic Evolution, Biochemistry, Biostatistics, Taxonomy and Ecology.

PSO2: Analyse the relationships among animals, plants and microbes.

PSO3: Understand the comparative study between Chordates and Non-chordates.

PSO4: Understand the applications of biological science in Apiculture, Aquaculture, Agriculture, Museology, Poultry Farming, Wildlife Management and Medicine.

PSO5: Perform procedures as per laboratory standards in the areas of Anatomy, Cytology, Taxonomy, Limnology, Biochemistry, Bioinformatics, Economic Zoology and Ecology.

PSO6: Performing Field Visit to acquaint with Advanced Laboratories and Project work.

CHOICE BASED CREDIT SYSTEM (CBCS)

Department of Assamese

B A Assamese Programme

PROGRAMME OUTCOME :-

In order to have a knowledge on a language, one has to know the origin of it, how it evolves and its journey from birth to the present stage. The students will be benefited if all these facts are covered in a syllabus. Accordingly, all these subjects have be incorporated in the TDC syllabus and the students will definitely be benefited from it.

GENERAL CHARACTERISTICS :-

The students will get a detail idea on Assamese language, its development and evolution, Assamese literature, Assamese poetry, Novels, Phase etc. from this syllabus.

SPECIAL CHARACTERISTICS :-

The students will know the various texture of Assamese language how it came into existence, factors behind its evolution, differences between other Indian languages, similarities with other Indian languages, influences on Assamese language by other Indian languages as well as Western languages etc. everything is covered in the syllabus.

The growth of Assamese literature, its evolution, its contributions etc. are also included in the syllabus. The syllabus focuses on the various Assamese cultures, written language, spoken languages etc., its regional

languages. After all it is a complete syllabus with which a student can have a knowledge of Assamese language, literature, culture etc.

Core course

ASMCH – 101:History of Assamese language and script:: Axomiya Bhasha aru Lipir Etihash

COURSE OUTCOME : ASMCH – 101

The students will know following facts from this course.

- They will know the origin of Assamese script and its evolution.
- The students will know about the manuscript written in leaves, inscriptions etc.

COURSE OUTCOME : ASMCH – 201

The students will learn following facts after reading this course.

- The students will have an idea on ancient poems of Assamese literature.
- A clear idea on the Ramayana & Mahabharata given in this course.
- They will know the divisions of various literature on the basis of times and various happenings in Assam and its characteristics and dissimilarities.

COURSE OUTCOME : DSCP – 301

- They will learn about the stories of the Ramayana and the Mahabharata and the societies reflected in these two epics.
- An idea on romantic poems, its characteristics and about the authors of these poems, could be formed.

MIL:ASML – 301::ASSAMESE DRAMA, SHORT STORIES AND NOVEL

COURSE OUTCOME : ASML – 301

- The students will learn about the Brajawali languages and the purpose for the creation of this language by Srimanta Sankardeva.
- They will know about modern Assamese plays, its characteristics and its subject matters.
- They will know about cultures of each tribe of Assam and the differences among their cultures.

COURSE OUTCOME : ASML – 401

- They will learn about the stories of the Ramayana and the Mahabharata and the societies reflected in these two epics.
- They will learn the various prevalent rituals that were observed during the birth of a baby and afterwards.
- An idea on romantic poems, its characteristics and about the authors of these poems, could be formed.

COURSE OUTCOME : ASML – 501

- Autobiography is a important thing to read every human being.
- Autobiography control our life and always take care ups and down in every human being.
- Students also inspire to write autobiography.

COURSE OUTCOME : ASML – 601

- It improves the students activity in all parts of their life.

DEPARTMENT OF BENGALI
HAFLONG GOVERNMENT COLLEGE

Programme Specific Outcome

Programme	
B.A. BENGALI HONOURS	PSO1 : The programme provides a brief introduction to the history of Bengali Language and literature, which will highlight the cultural background and history of Bengali Culture also. PSO2 : The programme also emphasizes to Folktales, Folklore and Myths and Proverbs of Bengali and to make students familiar to that abundance of beliefs and Practices passed down from earlier generation to us. PSO3 : To familiarize the students with the great works of Bengali literature and laureate.

COURSE OUTCOME

Core Course	
BNG-HCC – 101 History of Bengali Literature : Old and Medieval Period.	To enable students to have a broad general understanding of the history of Bengali literature of Old and medieval period.
BNG-HCC – 102 Bengali Literature of : Old and Medieval Period.	To acquaint students with the selected literacy works of old and medieval period.
BNG-HCC – 201 History of Bengali Literature : Modern Period.	To enable students to have a broad general understanding of the history of Bengali literature of modern period.
BNG-HCC – 202 Bengali Prose and Drama of nineteenth Century.	To enable students to have a broad understanding of the Bengali Prose and Drama of Nineteenth century through selected pieces.
BNG-HCC – 301 Bengali Language.	To familiarize the students with the basic component of language and focus upon Bengali grammar.
BNG-HCC – 302 Bengali Poetry & Fiction of Nineteenth Century.	To enable students to have a broad understanding of Bengali Poetry and fiction of Nineteenth century through the poems and fictions of the said period.

Core Course	
BNG-HCC – 303 Bengali Essay and Auto biography.	To enable students to have a broad understanding of Bengali essay and auto biography through the study of selected texts.
BNG-HCC – 401 Bengali Literature of Twentieth Century Part –I.	To acquaint students with the representative poems, dramas and fictional prose of 20 th Century through the study of selected texts.
BNG-HCC – 402 Rabindra Literature.	To enable students to have a broad understanding of the works of the first recipient of Nobel prize in Literature in the Asia Continent through the selected texts.
BNG-HCC – 403 Folk Literature and Culture.	To familiarize the students with the oral traditions of Folktales, Folklore and Myths and Proverbs of Bengali through the study of prescribed texts and collections.
BNG-HCC – 501 Bengali Literature of Twentieth Century Part –II	To acquaint students with the representative poems, dramas and fictional prose of 20 th Century through the study of selected texts.
BNG-HCC – 502 Socio- Cultural History of Bengal	To acquaint students with the socio-cultural background and history of Bengali Culture through selected texts.
BNG-HCC – 601 Eastern Literary Theory and Prosody Rhetoric.	To enable students to have a broad understanding of Eastern literary theory and prosody rhetoric through the selected texts from Bengali Literature.
BNG-HCC – 602 (A) Literary Theory & Criticism (Special Paper).	To enable students to have a broad understanding of Eastern literary theory and criticism through the texts.
BNG-HCC – 602 (B) Bengali Literature of North East India(Special Paper).	To acquaint students with the prose, essay of Bengali Literature of the North East India through the study of selected texts, written by eminent Bengali writers of North East India.

Programme Specific Outcome

Programme	
B.A. in BENGALI	<p>PSO1 : To familiarize the students with various dialects spoken in various parts of Bengal and surrounding areas.</p> <p>PSO2 : To Understand the different language styles in various special groups and the various components of the linguistic structures of the language.</p> <p>PSO3 : To teach them some practical approach to the Bengali Language. Such as editing compiling those are basic needs for any publication procedure.</p> <p>PSO4 : To familiarize the students with some skill enhancement course of the art and craft of creative writing.</p>

COURSE OUTCOME

Core Course	
AECC BNG-AEC-101 Form, Style & Implementation of Communication .	To acquaint students with fundamental tools of communication and develop vital communication skill that would be integral to personal, social and professional interaction.
BNG-LAN (Arts) – 301 BNG-LAN (COM) – 301 (Combined) Linguistics & Bengali Literature of Nineteenth Century	To familiarize the students with the basic component of language and focus upon Bengali grammar & to enable students to have a broad understanding of the Bengali Prose and Drama of Nineteenth century through selected pieces.
BNG-LAN (Arts) – 401 Bengali Literature of Twentieth Century.	To acquaint students with the representative poems, dramas and fictional prose of 20 th Century through the study of selected texts.
BNG-LAN (COM) – 401 Commercial writings and Bengali Literature of Twentieth Century.	To acquaint students with the representative poems, dramas and fictional prose of 20 th Century through the study of selected texts and to enable students to have a broad understanding of commercial writings through prescribed text.
BNG-DSC- 101 & BNG-GEC- 101 History of Bengali Literature : Old and Medieval Period.	To enable students to have a broad general understanding of the history of Bengali literature of Old and medieval period.
BNG-DSC- 201 & BNG-GEC- 201 History of Bengali Literature : Modern Period.	To enable students to have a broad general understanding of the history of Bengali literature of modern period.
BNG-DSC- 301 & BNG-GEC- 301 Bengali Language.	To familiarize the students with the basic component of language and focus upon Bengali grammar.
BNG-DSC- 401 & BNG-GEC- 401 Bengali Literature of Twentieth Century Part –I.	To acquaint students with the representative poems, dramas and fictional prose of 20 th Century through the study of selected texts.
BNG-DSE- 501 & BNG-GEC- 501 Bengali Children’s Literature and Biography.	To familiarize the students with children’s literature of Bengali , through the selected texts which is an essential part of Bengali Literature.
BNG-DSE- 601 & BNG-GEC- 601 Post Independence Bengali Fiction.	To enable students to have a broad understanding of Post Independence Bengali prose and fiction through the selected texts.
BNG-DSE- 502 &	To enable students to have a broad understanding of partition and

BNG-GEC- 502 Partition and Bengali Literature	its effect to Bengali literature through the selected texts.
BNG-GEC- 602 Post Tagore Bengali Poems.	To acquaint students with the Post Tagore Bengali Poems through the selected texts.
BNG-SEC- 301 Translation and Mass Commutation.	To enable students to have a broad understanding of translation and Mass Communication which is necessary for skill enhancement.
BNG-SEC- 401 Bengali Folk Drama and Proscenium.	To enable students to have a broad understanding of Bengali Folk Drama and Proscenium through the prescribed texts.
BNG-SEC- 501 Describe Bengali Grammar	To familiarize the students with the basic component of language and focus upon Bengali grammar.
BNG-SEC- 501 Science Fiction and Fantasy	To acquaint students with the Science fiction and fantasy through selected texts. So that they can improve their imaginary vision and creative mind.

DEPARTMENT OF ENGLISH

PROGRAM SPECIFIC OUTCOME

Programme	
B.A. ENGLISH HONOURS	<p>PSO1: To classify a specific genre of literature and give illustration of the characteristics from literary texts and thereby explore literary works to find out the structure and its significance.</p> <p>PSO2: To understand the various components of the linguistic structures of the language.</p> <p>PSO3: To familiarize the students with the literatures from different corners of the world either as translations of other languages in English or as New Literatures in English.</p> <p>PSO4: It helps the students develop their methodological skills and specific concepts in a literary text in an analytical and critical way through the study of Literary Theory Criticism.</p>

COURSE OUTCOME

CORE COURSES	
ENG-C-1:British Poetry and Drama:14 th to 17 th Centuries	To enable students to have a broad understanding of the history of English Literature from 14 th to 17 th Century and to acquaint them with the seminal poetic voices and the drama of the said period through the study of selected texts.
ENG-C-2:Indian Writing in English	To enable students to have a broad general understanding of Indian Writing in English through the study selected literary text.
ENG-C-3: British Poetry and Drama: 17 th &18 th Centuries	To enable students to have a broad understanding of the history of English Literature from 17 th &18 th Centuries and to acquaint them with the seminal poetic voices and the drama of the said period through the study of selected texts.
ENG-C-4:American Literature	To enable students to have a broad understanding of American Literature through the study of selected literary texts
ENG-C-5:British Literature:18 th Century	To acquaint students with representative poems, dramas and fictional prose writings from 18 th Century through the study of selected texts.
ENG-C-6:European Classical Literature	To enable students to have a broad understanding of the classical texts of European literature and to acquaint them with the seminal poetic voices and the drama of the classical period through the study of selected texts.
ENG-C-7:Women's Writing	To enable students to have a broad understanding of the female psyche through study of texts written by women writers.
ENG-C-8:British Romantic Literature	To acquaint students with representative poems and fictional prose writings of the Romantic age through the study of selected texts.

ENG-C-9: British Literature:19 th Century	To enable students to have a broad understanding of the history of English Literature from 19 th Century and to acquaint them with the seminal poetic voices through the study of selected texts.
ENG-C-10:Indian Classical Literature	To enable students to have a broad understanding of the classical texts of Indian literature and to acquaint them with the seminal poetic voices and the drama as well as fictional prose of the classical period through the study of selected texts.
ENG-C-11: British Literature: The Early 20 th Century	To enable students to have a broad understanding of the history of English Literature of the period and to acquaint them with the seminal poetic voices through the study of selected texts.
ENG-C-12:Modern European Drama	To enable students to have a broad understanding of modern drama and its techniques through the study of selected literary texts
ENG-C-13:Post Colonial Literature	To enable students to have a broad general understanding of Postcolonial Literature through the study selected literary text.
ENG-C-14:Popular Literature	To enable students to have a broad understanding of Popular Literatures in English through the study selected literary text.

PROGRAM SPECIFIC OUTCOME

Programme	
B.A. in ENGLISH	<p>PSO1: To classify a specific genre of literature and give illustration of the characteristics from literary texts and thereby explore literary works to find out the structure and its significance.</p> <p>PSO2: To understand the various components of the linguistic structures of the language.</p> <p>PSO3: To familiarize the students with the literatures from different corners of the world, either as translations of other languages in English or as New Literatures in English.</p> <p>PSO4: It helps the students develop their methodological skills and specific concepts in a literary text in an analytical and critical way through the study of Literary Theory and Criticism.</p> <p>PSO5: To familiarize the students with some of the selected areas of English Grammar which are known to cause difficulty to learners, to help them overcome some common mistakes and also to teach them the skill of appreciation of English Prose and Poetry through the study of the prescribed texts, and develop the skills of written & Spoken communication.</p> <p>PSO6: To familiarise students with some skill enhancement courses of the art and craft of creative writing. To teach them the soft skills of teamwork, adaptability and leadership. To familiarise them with business Communication and technical writing.</p>

COURSE OUTCOME

AECC-1: English Communication	To introduce students to the theory, fundamentals and tools of communication and to help them develop vital communication skills that would be integral to personal, social and professional interactions.
ENGL	To familiarize the students with some of the selected areas of English Grammar which are known to cause difficulty to learners, to help them overcome some common mistakes and also to teach them the skill of appreciation of English Prose and Poetry through the study of the prescribed texts, and develop the skills of written communication.
DSC-1/GE-1(101)GE-(501)British Literature I(The Elizabethan Period to the Eighteenth Century	To enable students to have a broad understanding of the history of English Literature and to acquaint them with the seminal poetic voices through the study of selected texts. To acquaint students with representative dramas and fictional, non-fictional prose writings through the study of selected texts
DSC-2/GE-2(201)GE-(601) British Literature II (the Romantics and the Victorians	

DSC-3/GE-3(101)GE-(301)British Literature1(The Twentieth Century)	
DSC-4/GE-401(Indian English Literature)	To enable students to have a broad general understanding of Indian Writing in English through the study selected literary text.
DSE-1:Modern Indian Writing in English in English Translation	After the completion of this course, the participants would gain insight into “Indianness” through representative works. Students will be able to identify the relationship between Indian Writing in English and its social context. They will be able to critically respond to Indian texts.
DSE-2:British Literature: Post World War II	Analyse the cultural and literary characteristics of post world-war-II modernity and trace the emergence of a postwar and postcolonial sensibility and its influence on contemporary British literature
DSE-3: Literary Criticism	To enable students to have a broad understanding of a few seminal critical formulations in the study of literature
DSE-4:World literatures	To acquaint students with World Literatures in English. They will be able to evaluate the impact of indigenous issues/concerns on literary representation. Finally, they will be able to appreciate that world literature, with all its individual fragments, represents collective humanity.
Alternative English-1	To enable students to develop the skill of appreciating English Literature through the study of selected texts.
Skill Enhancement Course SEC-1:Creative Writing SEC-2:Soft Skills SEC-3:Business Communication SEC-4:Technical Writing	The students will learn to handle spoken. and written communication. They will learn to write resumes, letters of application, business letters. They will be given an understanding of writing news reports, narration of experience, interview techniques, essay and paragraph writing.

DEPARTMENT OF HISTORY

PROGRAM SPECIFIC OUTCOME OF HISTORY HONOURS UNDER CBCS.

- PSO 1 : Understand Indian Culture & Civilization – Ancient, Medieval & Modern.
 PSO 2 : In depth Study of Social formation & Cultural Patterns of Ancient World & Medieval World.
 PSO 3 : Focus on the Rise of Modern West.
 PSO 4 : Emphasis given on the History of Modern Europe.
 PSO 5 : Focus on the History of North-East India.

COURSE SPECIFIC OUTCOMES:

- CC 1 : History of India I [upto Vedic Period].
 Students are familiarized with the Reconstruction of ancient Indian History, Pre-historic hunter – Gatherers, advent of food production, Harappan & Vedic Civilization.
 CC 2 : Social Formations & Cultural Patterns of the Ancient World.
 Understand the Evolution of Humankind, Food production, Bronze Civilisation – Egypt & Mesopotamia, Nomadic groups in Asia, Ancient Greece.
 CC 3 : History of India II [300 BC to 750 AD].
 Study Economy, society, polity, religion, philosophy & cultural developments of the given period.
 CC 4 : Social Formations & Cultural Patterns of the Medieval World.
 Familiarise the students about society, religion & culture in ancient Rome, rise of feudalism, religion & culture in medieval Europe, Societies in Central Islamic Lands.
 CC 5 : History of India III [750 to 1206].

Students get to know about the rise of Rajputs ; the political structures of the Cholas, Palas, Arab conquest of Sind; religion, cultural developments, trade & commerce, society of the period under study.

- CC 6 : Rise of Modern West – I.
Students will learn about transition from feudalism to capitalism; early colonial expansion ; Renaissance ; economic developments of 16th century ; emergence of European state system.
- CC 7 : History of India IV [1206 to 1550]
Familiarise the students with the political structures , society , economy ,religion & culture of Sultanate period.
- CC 8 : Rise of Modern West – II.
Study in detail about the English Revolution; European politics in the 18th centuy American Revolution ; preludes to Industrial Revolution.
- CC 9 : History of India – V [1550 to 1605]
Detailed study about the Mughal period under Babur & Akbar
- CC 10 : History of India – VI [1605 to 1750]
Continuation of the Mughal rule under Jahangir , Shah Jahan , Aurangzeb with emphasis on regional politics , religion , trade & commerce.
- CC 11 : History of Modern Europe [1780 to 1939]
Students get to study about the French Revolution & Restoration ; Capitalist Industrialization & social & economic transformation ; varieties of Nationalism.
- CC 12 : History of India – VII [1750 to 1857]
Learn about the society , economy , polity of India in the mid 18th century ; expansion & consolidation of colonial power ; popular resistance that took place during that period.
- CC 13 : History of India - VIII [1857 to 1950]
Study the cultural changes , social & reform movements. Emphasis is given on the Indian National Movements ; Independence, Partition & Emergence of a New State.
- CC 14 : Social & Cultural Transformation in Modern Europe.
Students will get to know about Democracy ,Feudalism , Imperialism ,the two World Wars , Major intellectual trends.

DSE – 1 :	History of China [1839 - 1982]	
DSE – 2 :	Historiography	Enable the students to learn about China.
DSE – 3 :	History of Assam [1228 – 1826]	Students learn about concept of History.
DSE – 4 :	History of Assam [1826 – 1947]	Focus on the history of North-East India.

PROGRAM SPECIFIC OUTCOMES OF B.A. HISTORY

- PSO 1 : Understand Indian Culture & Civilization – Ancient Medieval & Modern.
- PSO 2 : In depth study of World History with special reference to Europe & China.
- PSO 3 : Understand the different facets of the Gender Studies in India.
- PSO 4 : Special focus on Archaeology, Museology , Tea Industry in Assam , Cultural Tourism in India.

COURSE OUTCOMES

DSC – 1 : History of India from earliest times upto 300 CE.	To enable the students to study about the sources , society , polity , religious movements , economy of the different periods of Indian history.
DSC – 2 : History of India from 300 CE to 1206.	Emphasis is given on the Indian National Movement.

DSC – 3 : History of India from 1206 to 1707.	
DSC – 4 : History of India from 1707 to 1950.	

DSE – 1: History of China [1839 – 1982]
Acquaint the students with the Opium Wars ,Chinese Revolutions , Civil Wars in China , Rise of Communism.

DSE – 2: History of Europe [1789 - 1914]
Familiarise the students about the French Revolution , Napoleon , Metternich , Bismarck , Mussolini , Balkan Wars & the First World War.

GE – 1 : Women Studies in India.
Make the students aware about women studies ,gender relations in pre-colonial & colonial India , women education , health & women participation in Environmental issues & National Movement.

GE – 2 : History & Development of Education in India.
Students will get to learn about the development of education in ancient , Medieval & modern India , Contribution of Christian Missionaries & East India Company , literacy programmes in India.

SEC – 1 : Archaeology & Museology	Students will be acquainted with archaeological sites , types of museums , concepts of art & performing arts , folk music , tea production & labour , types of tourism & heritage management.
SEC – 2 : Evolution of Indian Culture	
SEC – 3 : History of Tea Industry in Assam	
SEC – 4 : Cultural Tourism in India	

DEPARTMENT OF PHILOSOPHY

Programme Specific Out Comes of Bachelor of Arts in Philosophy

PSO 1. Understanding of the methods, fundamental principles and concepts of the discipline of philosophy and its different branches such as epistemology, metaphysics, ethics etcas well as its allied disciplines such as logic, philosophy of religion, social and political philosophy.

PSO 2. Knowledge of the philosophical theories and their historical developments and inter-relations.

PSO 3. Developing philosophical knowledge of the ancient, modern and contemporary western tradition as well as the Indian tradition.

PSO 4. Capability and skill in analyzing philosophical problems and evaluating solutions offered to solve them.

PSO 5. Ability to search for new philosophical questions and problems.

PSO 6. Ability to suggests for new solutions to philosophical problems.

PSO 7. Developing logical skills to evaluate arguments. Analytical ability to clarify concepts and bring accuracy in thinking and arguments.

Course Outcome

Course	Type of Course	Course Outcome
Logic	P-GE/DSC-101, Credits-06	CO 1: Understanding of the principles of deductive and symbolic logic and ability to test arguments.
ETHICS	P-GE/DSC-201, Credits-06	CO 1: Knowledge of different ethical perspectives on ethical problems and ability to clarify the fundamental ethical concepts. CO 2. Understanding of principal theories of ethical standards and the ability to apply these to special cases.
Epistemology and Metaphysics(Indian)	P-GE/DSC-301, Credits-06	CO 1: Knowledge of epistemological and metaphysical theories of different philosophical systems of Indian Philosophy.
LOGICAL	P-SEC-301,	C01. Skill enhancement in logical ability. Expertise in solving

REASONING—I	Credits-04	logical problems.
Epistemology and Metaphysics(Western)	P-GE/DSC-401, Credits-06	CO 1: Understanding of different philosophical concepts and theories of western philosophical traditions on main philosophical issues in theories of knowledge and metaphysics.
APPLIED ETHICS-I	P-SEC-401, Credits-04	CO 1.To be familiarized with ethical problems and evaluation of solutions offered to them. Develop the ability search for solutions to practical ethical problems.
Logical Reasoning – II	P-SEC-501, Credits-06	CO 1. Knowledge of Indian systems of logic. CO 2. Expertise of logical problem solving
Contemporary Western Philosophy	P-DSE-1A—501, Credits-06	CO 1. Knowledge of the different philosophical theories of contemporary western philosophy such as analytical philosophy, existentialism and phenomenology.
SYMBOLIC LOGIC	P-GE-1, Credits-06	CO.1 Understanding of the principles of deductive and symbolic logic and ability to test arguments.
Applied Ethics-II	P-SEC-601, Credits-06	CO 1.understanding of ethical problems and evaluation of solutions offered to them. Develop the ability search for solutions to practical ethical problems.
Contemporary Indian Philosophy	P-DSE—601, Credits-06	CO 1. Understanding and assessment of the philosophical ideas and concepts of contemporary Indian Philosophy. CO. 2. To become familiar with the philosophical thoughts of great Indian thinkers like Vivekananda, Tagore, Aurobindo, Radhakrishnan, Gandhi, etc.
Applied Ethics	P-GE-2, Credits-06	CO 1.understanding of ethical problems and evaluation of solutions offered to them. Develop the ability search for solutions to practical ethical problems.

PROGRAMME SPECIFIC OUT COMES OF BACHELOR OF ARTS (HONOURS) IN PHILOSOPHY

PSO 1. Understanding of the methods, fundamental principles and concepts of the discipline of philosophy and its different branches such as epistemology, metaphysics, ethics etc. and its allied discipline such as logic, philosophy of religion, social and political philosophy.

PSO 2. Knowledge of the philosophical theories and their historical developments and inter-relations.

PSO 3. Developing philosophical knowledge of the ancient, modern and contemporary western tradition as well as the Indian tradition.

PSO 4. Capability and skill in analyzing philosophical problems and evaluating solutions offered to solve them.

PSO 5. Ability to search for new philosophical questions and problems.

PSO 6. Ability to suggest for new solutions to philosophical problems.

PSO 7. Developing logical skills to evaluate arguments. Analytical ability to clarify concepts and bring accuracy in thinking and arguments.

PSO 8 Developing ability to understand and interpretation classical works of great philosophers.

PSO9. Knowledge of Contemporary philosophical issues and the current developments in the disciplines.

Course	Type of Course	Course Outcome
Epistemology and Metaphysics(Indian)	Phil- C- 101, Credits-06	CO 1: Knowledge of epistemological and metaphysical theories of different philosophical systems of Indian Philosophy.
Logic - I	Phil- C- 102,Credits-06	C01. Skill enhancement in logical ability. Expertise in solving logical problems.
Logic	GE/DSC- 101, Credits-06	C01. Skill enhancement in logical ability. Expertise in solving logical problems.
Epistemology and Metaphysics(Western)	Phil-C- 201, Credits-06	CO 1: Understanding of different philosophical concepts and theories of western philosophical traditions on main

		philosophical issues.
Ethics- I	Phil- C- 202, Credits-06, Full Marks-100, Pass Marks-40	CO 1: Knowledge of different ethical perspectives on ethical problems and ability to clarify the fundamental ethical concepts. CO 2. Understanding of principal theories of ethical standards and the ability to apply these to special cases.
Ethics	GE/DSC- 201, Credits-06	CO 1: Knowledge of different ethical perspectives on ethical problems and ability to clarify the fundamental ethical concepts. CO 2. Understanding of principal theories of ethical standards and the ability to apply these to special cases.
History of Modern Western Philosophy	Phil- C- 301, Credits-06	CO 1. Understanding of the rise and development modernity western philosophical tradition. CO. 2. The knowledge of the historical development of the modern classical philosophy from Descartes to Hegel.
Social and Political Philosophy	Phil- C- 302, Credits-06	CO 1. Understanding concepts and theories of social and political philosophy.
Ethics- II	Phil- C- 303, Credits-06	CO 1: Knowledge of different ethical perspectives on ethical problems and ability to clarify the fundamental ethical concepts. CO 2. Understanding of principal theories of ethical standards and the ability to apply these to special cases.
Logical Reasoning	SEC- 301, Credits-04	CO 1. Knowledge of Indian systems of logic. CO 2. Expertise of logical problem solving
Epistemology and Metaphysics(Indian)	GE/DSC- 301, Credits-06	CO 1: Knowledge of epistemological and metaphysical theories of different philosophical systems of Indian Philosophy.
Classical Text (Indian)	Phil-C- 401, Credits-06	CO 1. Developing ability to understand classical Indian philosophical texts in Sanskrit and other languages. CO 2. Familiarization with Indian concepts, terms and languages used in doing philosophy.
Classical Text (Western)	Phil--C- 402, Credits-06	CO 1. Ability to understand classical philosophical texts of western tradition. CO 2. To generate interest in studies of original works of great philosophers.
Logic- II	Phil-C- 403, Credits-06	CO 1. Understanding and ability to apply logical rules of deduction and quantification. CO. 2. Developing expertise in testing arguments. CO 3. Understanding theories of induction.
Applied Ethics	SEC- 401, Credits-04	CO 1. To become familiar with issues and debates of contemporary applied ethics. CO 2. Ability to apply ethical theories to practical problems.
Epistemology and Metaphysics(Western)	GE/DSC- 401, Credits-06	CO 1: Understanding of different philosophical concepts and theories of western philosophical traditions on main philosophical issues in theories of knowledge and metaphysics.
Contemporary Western Philosophy	Phil--C-501, Credits-06	CO 1. Knowledge of the different philosophical theories of contemporary western philosophy such as analytical philosophy, existentialism and phenomenology.
Philosophy of Mind	Phil--C-502, Credits-06	CO 1. Understanding of the issues of philosophy of mind such as consciousness, mind-body relation, other mind and collective consciousness.
Greek Philosophy	DSE-501, Credits-06	CO 1. Understanding the issues of pre-Socratic philosophy. CO. 2. Knowledge of Greek philosophical tradition from Socrates to Aristotle.
Comparative Religion	DSE-502, Credits-06	CO. 1. Understanding the methods and principles of comparative religion.

		CO. 2. Ability to make a comparative study of tenets and practices of different religious traditions and religious language.
Philosophy of Religion	Phil-C-601, Credits-06	CO 1. Understanding the theories relating nature and origin of religion and philosophical problems relating to belief in God.
Contemporary Indian Philosophy	Phil-C-602, Credits-06	CO 1. Understanding and assessment of the philosophical ideas and concepts of contemporary Indian Philosophy. CO. 2. To become familiar with the philosophical thoughts of great Indian thinkers like Vivekananda, Tagore, Aurobindo, Radhakrishnan, Gandhi, etc
Phenomenology and Existentialism	DSE-601, Credits-06	CO 1. Understanding the methods, issues and concepts of continental philosophy. CO 2. Knowledge of the issues of existentialist movements.
Philosophy of M.K. Gandhi	DSE-602, Credits-06	CO. 1 Understanding the Gandhian concepts of non-violence, truth, God, swaraj, swadeshi, satyagraha. CO. 2. Knowledge of social and political philosophy of M K Gandhi.

PROGRAMME SPECIFIC OUTCOME B.A. (HONS.) IN POLITICAL SCIENCE

Students completing the B.A (Hons.). in political science will be able to :

1. Comprehend the basic structures and processes of government systems and theoretical underpinnings
2. Helped in understanding the issues related to society and politics.
3. Can help in the society in bringing unity, peace and harmony through their understanding of the subject.
4. Demonstrate critical thinking, including the ability to form argument, detect fallacies and have in depth understanding of the public policies.
5. Have grasp on history and politics of the country.
6. Understand international politics in a better way and help in formulating foreign policy.

COURSE SPECIFIC OUTCOME FOR HONORS:

Semester	Course Code	Name of Course	Course Outcome
1 st	PLSHCC 101T	Understanding Political Theory	Students will have the knowledge of political theory. It will make them understand what democracy means and how it evolved and its practical approach in the real world.
	PLSHCC 102T	Constitutional Government & Democracy in India	Helps in understanding working of Indian Constitution and functioning of different institutions including Panchayati Raj.
2 nd	PLSHCC 201T	Political theory : Concepts & Debates	Students can have critical and reflective analysis and interpretation of social practices.
	PLSHCC 202T	Political Process in India	A student can understand practical political situation and will help others in having a scientific understanding of political situations.
3 rd	PLSHCC 301T	Introduction to Comparative Government and politics	Have a knowledge of political system like capitalism, socialism, decolonization process. Will understand constitutional development of Britain, Nigeria, Bangladesh and China. Will have ability to critically analyse political system.
	PLSHCC 302T	Perspectives on public administration	The student will have better knowledge about how administrative system evolved and how it works.
	PLSHCC 303T	Perspective on international relations and world history	Students will be equipped with the knowledge of international politics. Have better understanding about the causes and consequences of key events like world war, cold war and post cold war world politics.

	PLSSEC 301T	Democratic awareness with legal literacy	Have a good grasp of India's legal system, its functioning and brief understanding of laws applicable in India. Students will have practical knowledge of judicial system due to their visit in court and legal aid centre.
4 th	PLSHCC 401T	Political Processes And Institutions in Comparative Perspective	Student will be equipped with the knowledge of electoral system, party system, nation states. They can compare the process and systems of politics.
	PLSHCC 402T	Public policy & Administration in India	Students will have an idea of India's administrative system and financial management.
	PLSHCC 403T	Global Politics	The student will get the idea of socio-political, economic and technological dimension of globalisation and its overall impact.
	PLSSEC 401T	Public opinion and Survey Research	Students will understand the real politics. They will have a grasp of scientific research and quantitative data analysis.
5 th	PLSHCC 501T	Classical political philosophy	Student will have good grasp over western classical philosophy including ideas of Plato, Aristotle, Plato, Hobbes etc.
	PLSHCC 502T	Indian political thought-I	Students will understand the diversity of theories propagated by Indian political thinkers.
	PLSDSE - 501T	India's Foreign Policy In A Globalizing World	Student will be equipped with the foreign policy of India along with its foreign policy and relations with some major countries of the world.
	PLSDSE C 502T	Human Rights in a Comparative Perspective	Students will understand different perspective of Human Rights .
6 th	PLSHCC 601T	Modern Political Philosophy	It will help to understand society and politics from a new perspective. Will help to formulate different policies by understanding ideas of thinkers like Rousseau, Marx, Gramsci etc.
	PLSHCC 602T	Indian Political Thought - II	It will help to apply their ideas in the present day situation and analyse the ideas of Gandhi , Roy, Ramabai, Ambedkar, Nehru, Iqbal, Savarkar and Lohia are still relevant in present situation.
	PLSDSE 601T	Development process and social movements in contemporary India	It will help them in understanding how India developed since independence. Make them understand socio-economic and political situation of India and social movements that affected the Indian society and economy since independence.

B.A.Political Science (General Programme)

This course helps to understand key aspects of political theory and its relevance in the present context. This course is designed to help students understand certain key issues that are important in the contemporary period

COURSE OUTCOME FOR GENERAL PROGRAMME:**Course outcome of Generic Elective (GE)- for Learners pursuing Honours in Other Discipline:**

This course will help other honours and General course students to have a better understanding of the political science, its different theories and political system of different countries. From 1st to 4th Sem. Other honours students can take GE Political Science. General Programme students can take this course in 5th and 6th Sem. Students unrelated to Political Science subject

Semester	Course Code	Name of Course	Course Outcome
1 st	PLSDSC101T	Introduction to Political Theory	Helps in understanding rights, liberty, equality and justice. It justifies necessity of censorship and protective discrimination. It will help to understand democracy development debate and how state intervened in the institution of family.
2 nd	PLSDSC201T	Indian Government and Politics	Make a student understand their rights, duties, functioning of government at different level
3 rd	PLSDSC301T	Comparative Government and Politics	It will enhance a student's ability to compare political system of different countries. Contemporary debates on nature of states are a key element of the subject.
3 rd	PLSSEC301T	Legislative Support	A student will know law-making process including Budget. Will understand powers and functions of people's representative at different level.
4 th	PLSDSC401T	Introduction to international Relations	Help in evaluating global political events, in formulating policies and helps in understanding dynamics and forces at work in international relations. Evaluate the impact of global institutions and development in domestic level.
4 th	PLSSEC401T	Public Opinion and Survey Research	The Student will know use of different research technique to formulate research question and how to make scientific study of public opinion.
5 th	PLSSEC 501T	Democratic Awareness and legal literacy	This will helped them to have a brief understanding of constitution and laws of India. Introduce with courts and judicial system of India and its functioning
5 th	PLSDSE501T	Themes in comparative political theory	Give a grasp of different political theme and comparative study of the same.
6 th	PLSSEC601T	Conflict and Peace Building	Helps a student in understanding what is conflict and how it can be resolved.
6 th	PLSDSE 601T	Administration and public policy: concepts and theories	Give a concept of how administrative systems develop and functioned.

Department of Commerce

PROGRAM SPECIFIC OUTCOME

The Department of Commerce, Haflong Government College, Haflong, Assam, which is Affiliated to Assam

Semester	Course Number	Name Of The Course	Course Outcome
1 st	PLSGEC101T	Introduction to Political Theory	It will give new dimension to honours students to understand the depth of political theory and help them in formulating scientific policy
2 nd	PLSGEC 201T	Indian Government and Politics	Student can rationalise any political situation. Will understand the smooth functioning of government.
3 rd	PLSGEC301T	Comparative Government and politics	Student will have the knowledge of political system of different countries. Understand different types of electoral system and changing nature of nation states.
4 th	PLSGEC401T	Introduction to international relations	The student will have good grasp over international situations and of India's foreign policy.
5 th	PLSGEC501T	Reading Gandhi	A student can analyze socio political problem from the Gandhian point of view
6 th	PLSGE601T	Human Rights , Gender and Environment	It will prepare the students with theoretical and conceptual understanding of different socio economic problem and how to solve it.

University, Silchar, offers the following three programmes of study:

4. B.Com. (General),
5. B. Com. (Honours in Accountancy) and
6. B.Com. (Honours in Business Management)

The programmes and courses are executed by the department is designed and prescribed by the Assam University, Silchar. The programme aimed to provide the student with a wide range of knowledge and skills. The programme is so designed that it focuses both on academic subjects like statistics or Economics as well as practical business subjects like accountancy, law, management, marketing, finance etc. The programmes provide a platform for experimental learning and grooms students towards industry specific curriculum with focused approach on specific areas which are crucial in the management of companies.

1. PROGRAM SPECIFIC OUTCOME OF B.COM. (GENERAL).

After completing the programme the candidate will be able to:

- Build a strong foundation of knowledge in different areas of Commerce.
- Develop the skill of applying concepts and techniques used in Commerce.
- Develop an attitude for working effectively and efficiently in a business environment.
- Integrate knowledge, skill and attitude that will sustain an environment of learning and creativity among the students.
- Improve their computer literacy, their basic understanding of operative systems and a working knowledge of software commonly used in academic and professional environments.
- Expose students about entrepreneurship.
- Develop functional and general management skills.
- Inculcate a global mindset.
- Evaluate different business problems using analytical and creative, and integrative abilities.
- Build and Demonstrate leadership, teamwork, and social skills.
- Communicate effectively in different contexts.
- Analyse socio-political-economic environment of business organizations.
- Enable a student to make decisions at personal and professional level.
- Demonstrate an integrated understanding of key concepts, techniques and trends in one or more fields of commerce.
- Able to apply their knowledge and skill to face the challenges and opportunities involved in diverse contexts.
- Able to start own entrepreneurial activities.

- Inculcate ethical values, team work, leadership and managerial skills.
- Exhibit inclination towards pursuing professional courses such as CA/ CS/CMA/CFA etc.

2. PROGRAM SPECIFIC OUTCOME OF B. COM. (HONOURS IN ACCOUNTING AND FINANCE):

After completing the programme the candidate will be able to:

- Build a strong foundation of knowledge in different areas of Commerce.
- Develop the skill of applying concepts and techniques used in Commerce.
- Develop an attitude for working effectively and efficiently in a business environment.
- Integrate knowledge, skill and attitude that will sustain an environment of learning and creativity among the students.
- Improve their computer literacy, their basic understanding of operative systems and a working knowledge of software commonly used in academic and professional environments.
- Expose students about entrepreneurship.
- Develop functional and general management skills.
- Inculcate a global mindset.
- Evaluate different business problems using analytical and creative, and integrative abilities.
- Build and Demonstrate leadership, teamwork, and social skills.
- Communicate effectively in different contexts.
- Analyse socio-political-economic environment of business organizations.
- Enable a student to make decisions at personal and professional level.
- Demonstrate an integrated understanding of key concepts, techniques and trends in one or more fields of commerce.
- Able to apply their knowledge and skill to face the challenges and opportunities involved in diverse contexts.
- Ready for employment in functional areas like Accounting, Taxation, Banking, Insurance and Corporate Law.
- Able to start own entrepreneurial activities.
- Inculcate ethical values, team work, leadership and managerial skills.
- To enable students to pursue higher education.
- Become consultants in the field of income tax, sales tax etc.
- Exhibit inclination towards pursuing professional courses such as CA/ CS/CMA/CFA etc.

3. PROGRAM SPECIFIC OUTCOME OF B.COM. (HONOURS IN BUSINESS MANAGEMENT):

After completing the programme the candidate will be able to:

- Build a strong foundation of knowledge in different areas of Commerce.
- Develop the skill of applying concepts and techniques used in Commerce.
- Develop an attitude for working effectively and efficiently in a business environment.
- Integrate knowledge, skill and attitude that will sustain an environment of learning and creativity among the students.
- Improve their computer literacy, their basic understanding of operative systems and a working knowledge of software commonly used in academic and professional environments.
- Expose students about entrepreneurship.
- Develop functional and general management skills.
- Inculcate a global mindset.
- Evaluate different business problems using analytical and creative, and integrative abilities.
- Build and Demonstrate leadership, teamwork, and social skills.
- Communicate effectively in different contexts.
- Analyse socio-political-economic environment of business organizations.
- Enable a student to make decisions at personal and professional level.
- Demonstrate an integrated understanding of key concepts, techniques and trends in one or more fields of commerce.
- Able to apply their knowledge and skill to face the challenges and opportunities involved in diverse contexts.
- To enable students to pursue higher education.
- Pursue consultancy services in the field of management.

- Ready for employment in functional areas like Accounting, Taxation, Banking, Insurance and Corporate Law.
- Able to start own entrepreneurial activities.
- Inculcate ethical values, team work, leadership and managerial skills.
- Exhibit inclination towards pursuing professional courses such as CA/ CS/CMA/CFA/MBA etc.

Course outcome of Three-Year B Com (Honours) Programme under CBCS

The Bachelor of Commerce courses offered by Department of Commerce, Haflong Government College aims to provide students with the knowledge, tools of analysis and skills with which they can understand and participate in the modern business and economics world, to prepare them for further studies and to achieve success in their professional careers. The outcomes of different courses offered by the department are summarized below:

S. No.	Paper No.	Title of Paper	Course	Course Outcome
B.Com. Degree Course (Semester I)				
1	AECC-101	BUSINESS COMMUNICATION	B. Com. (Honours) 1 st Semester	To equip students effectively to acquire skills in reading, writing, comprehension and communication and also to use electronic media for business communication.
2	BCH CC 101	FINANCIAL ACCOUNTING	B. Com. (Honours) 1 st Semester	The course enables the students to understand the application of basic accounting techniques. It provides the students the technique of application of accounting principle in practice.
3	BCH CC 103	PRACTICAL ON FINANCIAL ACCOUNTING	B. Com. (Honours) 1 st Semester	It provides the students the technique of application of accounting principle in practice by using popular accounting software Tally.
4	BCH CC 102	BUSINESS LAW	B. Com. (Honours) 1 st Semester	It aims at developing and understanding of the various laws relating to business, such as- law of contracts, sale of goods act, Indian partnership act, negotiable instrument act. etc.
5	BCH GE 101	MICRO ECONOMICS	B. Com. (Honours) 1 st Semester	The objective is to acquaint the students with the concepts of Micro economics dealing with consumer behavior. The course also makes the students understand the supply side of the market through the production and cost behavior of firms.
6	AECC 101	Business Communication	B. Com. (Pass) 1 st Semester	To equip students effectively to acquire skills in reading, writing, comprehension and communication and also to use electronic media for business communication.
7	ENGL 101	General English	B. Com. (Pass) 1 st Semester	
	BCP DSC 101	Financial Accounting	B. Com. (Pass) 1 st Semester	The course enables the students to understand the application of basic accounting techniques. It provides the students the technique of application of accounting principle in practice.
	BCP DSC 101	Practical on Financial Accounting	B. Com. (Pass) 1 st Semester	It provides the students the technique of application of accounting principle in practice by using popular accounting

				software Tally.
	BCP DSC 101	Business Organisation and Management	B. Com. (Pass) 1 st Semester	The course aims to provide basic knowledge to the students about the organisation and management of business enterprises.
B.Com. Degree Course (Semester II)				
	AECC 2 201	Environmental Studies	B. Com. (Honours) 2 nd Semester	
	BCH CC 201	Corporate Accounting	B. Com. (Honours) 2 nd Semester	The course helps the students to develop awareness about corporate accounting and provisions of Companies Act.
	BCH CC 202	Corporate Laws	B. Com. (Honours) 2 nd Semester	This course provides the students an understanding of different laws and regulations effecting joint stock companies.
	BCH GE 201	Macro Economics	B. Com. (Honours) 2 nd Semester	The students will be able to know how the principles of economics are applicable in business.
	AECC 2 201	Environmental Studies	B. Com. (Pass) 2 nd Semester	
	ENGL 201	General English	B. Com. (Pass) 2 nd Semester	
	BCP DSC 201	Business Law	B. Com. (Pass) 2 nd Semester	It aims at developing and understanding of the various laws relating to business, such as- law of contracts, sale of goods act, Indian partnership act, negotiable instrument act. etc.
	BCP DSC 201	Business Mathematics and Statistics	B. Com. (Pass) 2 nd Semester	The outcome of this course is to enable the students to have basic ideas of mathematics which is applicable in business. Besides it provides the students to gain understanding of statistical techniques as are applicable to business.
B.Com. Degree Course (Semester III)				
	BCH CC 301	Human Resource Management	B. Com. (Honours) 3 rd Semester	To acquaint the students with the techniques and principles to manage human resource of an organisation.
	BCH CC 302	Income Tax Law and Practice	B. Com. (Honours) 3 rd Semester	Besides giving some basic concepts about direct and indirect taxes this course provides knowledge to the students about sales tax laws, custom duties and central excise.
	BCH CC 304	Practical on Income Tax Law and Practice	B. Com. (Honours) 3 rd Semester	This provides knowledge to the students some practical knowledge of income tax, sales tax laws, custom duties and central excise.
	BCH CC 303	Management Principles and Applications	B. Com. (Honours) 3 rd Semester	This course is prepared for developing and understanding the application of various principles of Management in business.
	BCH SEC 301	E-commerce	B. Com. (Honours) 3 rd Semester	To enable the students to become familiar with the mechanism for conducting business transactions through electronic means.
	BCH SEC 302	Practical on E-	B. Com.	Enable the students to become familiar

		Commerce	(Honours) 3 rd Semester	with the mechanism for conducting business transactions through electronic means.
	BCH GE 301	Business Statistics	B. Com. (Honours) 3 rd Semester	It provides the students to gain understanding of statistical techniques as are applicable to business.
	BCH GE 302	Practical on Business Statistics	B. Com. (Honours) 3 rd Semester	It provides the students to gain understanding of statistical techniques as are applicable to business.
	MIL 301/ALTE 301		B. Com. (Pass) 3 rd Semester	
	BCP DSC 301	Company Law	B. Com. (Pass) 3 rd Semester	This course provides the students an understanding of different laws and regulations effecting joint stock companies.
	BCP DSC 302	Income Tax Law and Practice	B. Com. (Pass) 3 rd Semester	This course aims to develop and understand the fundamental law and practice of income tax. It will help the students to solve the practical problems of income tax of business firms as well as individuals.
	BCP DSC 303	Practical on Income Tax Law and Practice	B. Com. (Pass) 3 rd Semester	It helps the students to solve the practical problems of income tax of business firms as well as individuals.
	BCP SEC 301	E-Commerce	B. Com. (Pass) 3 rd Semester	To enable the students to become familiar with the mechanism for conducting business transactions through electronic means.
	BCP SEC 302	Practical on E-Commerce	B. Com. (Pass) 3 rd Semester	To enable the students to become familiar with the mechanism for conducting business transactions through electronic means.
B.Com. Degree Course (Semester IV)				
	BCH CC 401	Cost Accounting	B. Com. (Honours) 4 th Semester	It aims at developing and understanding application of cost accounting techniques used in business and industries.
	BCH CC 402	Business Mathematics	B. Com. (Honours) 4 th Semester	The outcome of this course is to enable the students to have basic ideas of mathematics which is applicable in business.
	BCH CC 403	Computer Applications in Business	B. Com. (Honours) 4 th Semester	Provide computer skills and knowledge and to enhance the students understand the usefulness of information technology and tools for business operations.
	BCH CC 404	Practical on Computer Applications in Business	B. Com. (Honours) 4 th Semester	Provide computer skills and knowledge and to acquaint the students about the use of computers in business.
	BCH SEC 401	Entrepreneurship	B. Com. (Honours) 4 th Semester	The students will understand the basic concepts, problems and opportunities of entrepreneurship after going through this course.
	BCH GE 401	Indian Economy	B. Com. (Honours) 4 th Semester	This course seeks to enable the students grasp the major economic problems in India and their solutions.
	MIL401/ALTE 401		B. Com. (Pass) 4 th	

			Semester	
	BCP DSC 401	Corporate Accounting	B. Com. (Pass) 4 th Semester	The course helps the students to develop awareness about corporate accounting and provisions of Companies Act.
	BCP DSC 402	Cost Accounting	B. Com. (Pass) 4 th Semester	It aims at developing and understanding application of cost accounting techniques used in business and industries.
	BCP SEC 401	Entrepreneurship	B. Com. (Pass) 4 th Semester	After going through this course, the students will understand the basic concepts, problems and opportunities of entrepreneurship.
B.Com. Degree Course (Semester V)				
	BCH CC 501	Principles of Marketing	B. Com. (Honours) 5 th Semester	The objective of this course is to provide basic knowledge of concepts, principles, tools and techniques of marketing.
	BCH CC 502	Fundamentals of Financial Management	B. Com. (Honours) 5 th Semester	It helps in developing and understanding the application of financial management techniques.
	BCH CC 503	Practical on Fundamentals of Financial Management	B. Com. (Honours) 5 th Semester	It provides the understanding the application of financial management techniques.
	BCH DSE 501	Management Accounting	B. Com. (Honours) 5 th Semester	It aims at developing and understanding of the application of various management accounting concept, tools and techniques.
	BCH DSE 501	Financial Markets, Institutions and Financial Services	B. Com. (Honours) 5 th Semester	Provide the students the knowledge of financial markets and institutions and to familiarize them with major financial services in India.
	BCP DSE 501	Auditing and Corporate Governance	B. Com. (Pass) 5 th Semester	The objective of this course is imparting knowledge about the principles and method of auditing. This also give an overview of the principles of corporate governance and corporate social responsibility.
	BCP DSE 502	Fundamentals of Financial Management	B. Com. (Pass) 5 th Semester	It helps in developing and understanding the application of financial management techniques
	BCP SEC 501	Computer Application in Business	B. Com. (Pass) 5 th Semester	Provide computer skills and knowledge and to enhance the students understand the usefulness of information technology and tools for business operations.
	BCP SEC 502	Practical in Computer Application in Business	B. Com. (Pass) 5 th Semester	Provide practical computer skills and knowledge and to enhance the students understand the usefulness of information technology and tools for business operations.
	BCP GE 501	Principles of Micro Economics	B. Com. (Pass) 5 th Semester	The students will be able to know how the principles of economics are applicable in business.
B.Com. Degree Course (Semester VI)				
	BCH CC 601	Auditing and Corporate Governance	B. Com. (Honours) 6 th Semester	The objective of this course is imparting knowledge about the principles and method of auditing. This also give an overview of the principles of corporate governance and corporate social responsibility.
	BCH CC 601	Indirect Tax Law	B. Com. (Honours)	Besides giving some basic concepts about indirect taxes. This course provides

			6 th Semester	knowledge to the students about sales tax laws, custom duties and central excise.
	BCH DSE 601	Fundamentals of Investments	B. Com. (Honours) 6 th Semester	To familiarize the students with different investments alternatives, introduce them to the framework of their analysis and valuation and highlight the role of investor protection.
	BCH DSE 601	Industrial Relations and Labour Laws	B. Com. (Honours) 6 th Semester	Helps to learn the concepts of industrial relations, including the trade unions, collective bargaining, discipline and various labour enactments.
	BCP DSE 601	Management Accounting	B. Com. (Pass) 6 th Semester	It aims at developing and understanding of the application of various management accounting concept, tools and techniques.
	BCP DSE 602	Fundamentals of Investments	B. Com. (Pass) 6 th Semester	To familiarize the students with different investments alternatives, introduce them to the framework of their analysis and valuation and highlight the role of investor protection.
	BCP SEC 601	Personal Selling and Salesmanship	B. Com. (Pass) 6 th Semester	This course is to familiarize the students with the fundamentals of personal selling and selling process.
	BCP GE 601	Indian Economy	B. Com. (Pass) 6 th Semester	This course seeks to enable the students to grasp the major economic problems in India and their solutions. It also seeks to provide an understanding of modern tools of macro-economic analysis and policy framework

Programme Specific outcome B.SC (general) Botany UNDER CHOICE BASE CREDIT SYSTEM

BOTDSC 101: BIODIVERSITY (Microbes, Algae, Fungi and Archegoniate)

- 1 Understand the diversity of algae and fungi
- 2 Know the economic importance of algae, fungi and other microorganism of earth surface.
- 3 Understand the useful and harmful activities of microorganism, other lower group plants.

Course of outcome of B.SC (Pass) Botany (CBCS)

1. Students will be able to use the evidence of comparative biology to explain how the theory of evolution offers the only scientific explanation for the unity and diversity of life on earth. They will be able to use specific examples to explicate how descent with modification has shaped plant morphology, physiology and life history.
2. Students understand the ethical principles and commit to environmental ethics and responsibilities and norms of the biodiversity conservation.
3. Create select and apply appropriate techniques, resources, and modern instruments and equipments for biochemical estimation, cellular and physiological activities of plants with an understanding of the application and limitations.
4. Understand the impact of the plant diversity in society and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

Programme Specific outcome B.SC (Honours) Botany UNDER CHOICE BASE CREDIT SYSTEM

BOTHCC 101T: Phycology and Microbiology

- 1 Understand the diversity among algae
- 2 Understand life cycle of algae, useful and harmful activity of algae, Fungi
- 3 Understand the economic importance of algae and fungi
- 4 Understand the systematic, morphology and structure of algae, fungi and microorganism

BOTHCC102T: Biomolecules and Cell –Biology

Understanding the biochemical nature of cell

Know the chemical nature of biomolecules.

Understand the different types of interaction in biomolecules

Structure and organization of cell membrane.

Gain knowledge about cell science

Course of outcome of B.Sc (Honours) Botany (CBCS)

Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage project and in multidisciplinary environment. Students learn to carry out practical work, in the field and in the laboratory, with minimal risk. They gain introductory experience in applying each of the following skills and gain greater proficiency in a selection of them depending on their choice of optional modules. 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.

Department of Chemistry

Programme Specific Outcomes of CBCS CHEMISTRY (Session: 2018-19)

1. B.Sc. (Honours) CHEMISTRY
2. B.Sc. (General) CHEMISTRY

Course Outcomes of B.Sc. (Honours) CHEMISTRY

CHMHCC101T (Credits: 04)

Inorganic Chemistry-I: *Atomic Structure and Chemical Bonding*

Describe the Bohr's theory of hydrogen atom, Quantum numbers and their significance, Pauli's Exclusion Principle, Hund's rule of maximum multiplicity and Aufbau's principle, shielding or screening effect, Slater rules, Electronegativity, Ionic bond, Covalent bond, Metallic bond and Redox reactions.

CHMHCC101P (Credits: 02)

Perform the procedure of Calibration and use of apparatus in Titrimetric Analysis and also understand the preparation of solutions in different strength.

CHMHCC102T (Credits: 04)

Physical Chemistry-I: *States of Matter & Ionic Equilibrium*

Describe Kinetic molecular model of a gas, Maxwell distribution and its use, Deviations from ideal gas behaviour, van der Waals equation of state, surface tension and viscosity, Miller indices, Bragg's law, Ionization of weak acids and bases, common ion effect, Solubility and Solubility product of sparingly soluble salt and Theory of acid-base indicators.

CHMHCC102P (Credits: 02)

Perform the procedure of determination of Surface Tension and Transition temperature and preparation buffer solution of different pH.

CHMHCC201T (Credits: 04)

Organic Chemistry-I: *Hydrocarbon and Stereochemistry*

Explain the classification and nomenclature of Organic Compounds, Homolytic and Heterolytic bond fission, Curly arrow rules, Mechanism of different Organic reactions, Huckel's rule for Aromaticity, Stereochemistry and Conformation analysis of alkanes.

CHMHCC201P (Credits: 02)

Understand the practical procedure of Purification and Chromatographic separation of different organic compounds.

CHMHCC202T (Credits: 04)

Physical Chemistry-II: *Chemical Thermodynamics and its Applications*

Describe First, Second & Third law of thermodynamics, Free energy function, Chemical equilibrium, Le Chatelier's Principle, Raoult's & Henry's Laws and their applications.

CHMHCC202P (Credits: 02)

Perform the procedure of determination of viscosity at different concentration and solubility at different temperature and refractive index of a given liquid.

Course Outcomes of B.Sc. (General) CHEMISTRY

CHMDSC101T / CHMGEC101T (Credits: 04)

Atomic Structure, Bonding General Organic Chemistry and Aliphatic Hydrocarbons

Section A: Inorganic Chemistry

Describe the Bohr's theory of hydrogen atom, Significance of quantum numbers, shapes of atomic orbitals, concept of exchange energy, Fajan's rules, Valence Bond and Molecular Orbital Approach of covalent molecule.

Section B: Organic Chemistry

Describe the Fundamental of Organic Chemistry, Structure, shape & reactivity of organic molecules, Huckel's rule of Aromaticity, Preparation and properties of Alkanes, alkenes and Alkynes.

CHMDSC101P / CHMGEC101P (Credits: 02)

Section A: Inorganic Chemistry

Estimation of Fe(II), Cu(I) and Oxalic acid by titrating method.

Section B: Organic Chemistry

Detection of element present in the organic compound and Separation of mixtures by Chromatographic method.

CHMDSC201T / CHMGEC201T (Credits: 04)

Chemical Energetics, Equilibria and Functional Organic Chemistry

Section A: Physical Chemistry

Explain the Laws of Thermodynamics, Kirchhoff's equation, Le Chatelier's principle, Buffer solution and applications of solubility product principle.

Section B: Organic Chemistry

Describe the Preparation and properties of Alkyl & Aryl Halides, Alcohols, Phenols & Ethers, Aldehydes and ketones and Stereochemistry & Carbohydrates.

CHMDSC201P / CHMGEC201P (Credits: 02)

Section A: Physical Chemistry

Determination of heat capacity, enthalpy of neutralization, ionization, hydration of salt and solubility of benzoic acid. Preparation of Buffer solution.

Section B: Organic Chemistry

Purification of organic compounds and Organic preparations.

Department of Physics

Program Specific outcome under CBCS :

Program	Program Specific Outcome
B.Sc. Physics (Honours)	The aim of the programme B.Sc. (Honours) is to equip the students with a thorough understanding of the theoretical concepts and practical applications of classical and modern Physics. The focus of this programme is to develop an understanding of all the areas of modern Physics like quantum mechanics, relativity theory, electronics, solid state physics and statistical mechanics.
B.Sc. Physics (General)	The aim of the programme B.Sc. (General) is to equip the students with the theoretical concepts and practical applications of classical and modern Physics. The focus of this course is to develop a thorough understanding of all areas of classical physics.

Course Outcome for B.Sc. Physics (Honours) under CBCS :

Course Code	Course Name	Course Outcome
PHYSICS-C-101 :	MATHEMATICAL PHYSICS - I	The aim of the course is to provide understanding of basic topics in calculus, vectors, differential equations, curvilinear coordinates , probability and theory of errors.
PHYSICS-C-101-LAB	MATHEMATICAL PHYSICS – I (LAB)	The focus of the course is to familiarize with programming languages (Fortran, C) and use them to solve simple problems using basic numerical techniques like bisection method, Newton-Raphson method, Simpson's techniques, etc.
PHYSICS-C-102	MECHANICS	Students would get acquainted with basic concepts and methods of Newtonian mechanics , and Einstein's special theory of relativity.
PHYSICS-C-102-LAB	MECHANICS (LAB)	Students would learn how to make accurate measurement using vernier callipers, screw gauge ; how to measure 'g' using pendulum, and also measurement of elastic constants of solids.
PHYSICS-C-201	ELECTRICITY AND MAGNETISM	The aim is to learn to calculate electric and magnetic fields in vacuum and inside dielectric and magnetic materials, and also calculation of electric current in circuits using network theorems.
PHYSICS-C-201-LAB	ELECTRICITY AND MAGNETISM (LAB)	Students would get acquainted with practical measurement of resistance, capacitance, magnetic field, and characteristic constants of ac circuits.
PHYSICS-C-202	WAVE AND OPTICS	The focus is to learn basic concepts of waves like superposition, velocity, and also topics from wave optics like interference,

		diffraction and holography.
PHYSICS-C-202-LAB	WAVE AND OPTICS (LAB)	Students would get familiar with practical measurement of wavelength and frequency of a wave, and also refractive index of transparent material.
PHYSICS-C-301	MATHEMATICAL PHYSICS – II	The focus in this course is to learn various techniques of solving differential equations like Frobenius method, fourier series, and special polynomials like Bessel and Legendre.
PHYSICS-C-301-LAB	MATHEMATICAL PHYSICS – II (LAB)	The focus is to apply numerical techniques like Euler’s and Runge-Kutta method for solving simple differential equations occurring in physical problems.
PHYSICS-C-302	THERMAL PHYSICS	The focus in this course is to get familiar with the 3 laws of thermodynamics, and related topics like entropy, thermodynamic potentials, and kinetic theory.
PHYSICS-C-302-LAB	THERMAL PHYSICS (LAB)	Students would get acquainted with practical determination of constants like coefficient of thermal conductivity, linear expansion, and thermal coefficient of resistance.
PHYSICS-C-303	DIGITAL SYSTEMS AND APPLICATIONS	The focus in this course is to learn important topics related to digital systems and computers like microprocessor, Boolean algebra, computer organisation, etc.
PHYSICS-C-303-LAB	DIGITAL SYSTEMS AND APPLICATIONS (LAB)	Experiments in this course are designed for the students to get familiar with the operation of microprocessor, CRO, multivibrator, flip flops, etc.
PHYSICS-SEC-301	WORKSHOP SKILL	The aim of this course is to enable the students to get familiar and experience with various mechanical and electrical tools through hands-on mode.
PHYSICS-C-401	MATHEMATICAL PHYSICS - III	The emphasis of the course is in solving problems of interest to the Physics community through use of advanced mathematical techniques like complex analysis, Laplace transforms, convolution theorem.
PHYSICS-C-401-LAB	MATHEMATICAL PHYSICS – III (LAB)	The focus of this course is to solve special problems of interest by applying numerical techniques and computer programming.
PHYSICS-C-402	ELEMENTS OF MODERN PHYSICS	The focus of this course is to understand the various concepts related to the development of quantum mechanics.
PHYSICS-C-402-LAB	ELEMENTS OF MODERN PHYSICS (LAB)	The focus of experiments in this course is on the elements of modern physics like Plank’s constant, photo electric effect , etc.
PHYSICS-C-403	ANALOG SYSTEMS AND APPLICATIONS	The emphasis in this course is on semiconductor diodes, bipolar junction transistors, amplifiers and Op-Amps.
PHYSICS-C-403-LAB	ANALOG SYSTEMS AND APPLICATIONS (LAB)	The focus of experiments in this course is on PN junction diode, Zener diode, transistor amplifier.
PHYSICS-SEC-401	ELECTRICAL CIRCUIT AND NETWORK	The aim of this course is to enable the students to design and trouble shoot the electrical circuits, networks and appliances through hands-on mode.
PHYSICS-C-501	QUANTUM MECHANICS AND APPLICATIONS	The structure of the course is intended to provide basic introduction of quantum mechanics which includes Schrodinger equation, and solution of hydrogen-like atoms.
PHYSICS-C-501-LAB	QUANTUM MECHANICS AND APPLICATIONS (LAB)	The aim of this course is to enable the students to learn to obtain approximate solutions for quantum mechanical problems where exact solution is not possible.
PHYSICS-C-502	SOLID STATE PHYSICS	The course is intended to provide a through introduction to solid state physics starting from crystal structure upto superconductivity.
PHYSICS-C-502-LAB	SOLID STATE PHYSICS (LAB)	The experiments in the course are designed to measure constants like Hall coefficient, dielectric constant, etc.

LAB		
PHYSICS-DSE-501	CLASSICAL DYNAMICS	The aim of the course is to get the student acquainted with the Lagrangian and Hamiltonian formulation of classical mechanics, and also applications like small amplitude oscillations and fluid dynamics.
	BIOLOGICAL PHYSICS	The aim of the course is to give an introduction to the basic concepts of biological physics.
PHYSICS-DSE-502	NUCLEAR AND PARTICLE PHYSICS	The course is intended to provide a basic introduction to nuclear physics, and also particle physics.
	ADVANCED MATHEMATICAL PHYSICS	The course is intended to provide advanced level mathematical techniques used by physicists, like transformation theory, group theory and tensors.
PHYSICS-C-601	ELECTROMAGNETIC THEORY	The aim of the course is to acquaint the student with Maxwell equations, EM wave propagations, and applications like wave guides and optical fibres.
PHYSICS-C-601-LAB	ELECTROMAGNETIC THEORY (LAB)	The experiments of this course are intended to study properties of EM wave like polarization, total energy (Stefan's law).
PHYSICS-C-602	STATISTICAL MECHANICS	The aim of this course is to provide a thorough introduction to classical statistics, FD statistics and BE statistics.
PHYSICS-C-602-LAB	STATISTICAL MECHANICS (LAB)	The experiments in this course are intended to make calculations of simple problems in statistical mechanics.
PHYSICS-DSE-601	ASTRONOMY AND ASTROPHYSICS	The course is intended to familiarize the students with introductory concepts in Astronomy and Astrophysics.
	NANO-MATERIALS AND APPLICATIONS	The aim of the course is to introduce some of the basic concepts of nano-materials and their applications.
PHYSICS-DSE-602	DISSERTATION	The dissertation is to be carried out by the student on any advanced level topic of theoretical or experimental physics.
	PHYSICS OF DEVICES AND COMMUNICATIONS	The course is intended to provide a general overview of the various devices used for communication purpose.

Course Outcome for B.Sc. Physics (General) under CBCS :

Course Code	Course Name	Course Outcome
PHYSICS -DSC-101	MECHANICS	The aim of the course is to equip the student with the elementary concepts and ideas of mechanics., fluids and special theory of relativity.
PHYSICS -DSC-101-LAB	MECHANICS (LAB)	Experiments in this course are intended for carrying out measurements of length, g, spring constant, etc.
PHYSICS -DSC-201	ELECTRICITY, MAGNETISM AND EMT	The course provides a general overview of all the topics falling under classical electromagnetic theory.
PHYSICS -DSC-201-LAB	ELECTRICITY, MAGNETISM AND EMT (LAB)	Experiments in this course are intended for basic measurement techniques in electromagnetism , like current, resistance, magnetic field, etc.
PHYSICS -DSC-301	THERMAL PHYSICS AND STATISTICAL MECHANICS	The focus in this course is get familiar with the 3 laws of thermodynamics, and related topics like entropy, thermodynamic potentials, and kinetic theory.
PHYSICS -DSC-301-LAB	THERMAL PHYSICS AND STATISTICAL MECHANICS (LAB)	Students would get acquainted with practical determination of constants like coefficient of thermal conductivity, linear expansion, and thermal coefficient of resistance.

PHYSICS -SEC-301	PHYSICS WORKSHOP SKILL	The aim of this course is to enable the students to get familiar and experience with various mechanical and electrical tools through hands-on mode.
PHYSICS -DSC-401	WAVES AND OPTICS	Students would learn basic concepts of waves like superposition, velocity, and also topics from wave optics like interference, diffraction and holography.
PHYSICS -DSC- LAB	WAVES AND OPTICS (LAB)	Students would get familiar with practical measurement of wavelength and frequency of a wave, and also refractive index of transparent material.
PHYSICS -SEC-401	ELECTRICAL CIRCUITS AND NETWORK SKILLS	The aim of this course is to enable the students to design and trouble shoot the electrical circuits, networks and appliances through hands-on mode.
PHYSICS -DSE-501	CLASSICAL DYNAMICS	The aim of the course is to get the student acquainted with the Lagrangian and Hamiltonian formulation of classical mechanics, and also applications like small amplitude oscillations and fluid dynamics.
	BIOLOGICAL PHYSICS	The aim of the course is to give an introduction to the basic concepts of biological physics.
PHYSICS -SEC-501	BASIC INSTRUMENTATIO N SKILLS	The course is to get exposure to various aspects of instruments and their usage through hands-on mode.
PHYSICS -DSE-601	ASTRONOMY AND ASTROPHYSICS	The course is intended to familiarize the students with introductory concepts in Astronomy and Astrophysics.
	NANO- MATERIALS AND APPLICATIONS	The aim of the course is to introduce some of the basic concepts of nano-materials and their applications.
PHYSICS -SEC-601	RENEWABLE ENERGY AND ENERGY HARVESTING	The aim of this course is not just to impart theoretical knowledge to the students but to provide them with exposure and hands-on learning wherever possible.

Department of Mathematics

PROGRAM OUTCOMES OF MATHEMATICS (CBCS)

The outcome of the mathematics degree programs is to equip students with analytic and problem solving skills for careers and graduate work. Classes develop student abilities and aptitudes to apply mathematical methods and ideas not only to problems in mathematics and related fields such as the sciences, computer science, actuarial science, or statistics. Students are encouraged to develop intellectually and to become involved with professional organizations.

- For example:
1. Demonstrate basic manipulative skills in algebra, geometry, and beginning calculus
 2. Apply the underlying unifying structures of mathematics (i.e. sets, relations and functions, logical structure, real analysis, etc.) and the relationships among them
 3. Demonstrate proficiency in writing proofs
 4. Communicate mathematical ideas both orally and in writing
 5. Investigate and solve unfamiliar math problems

Individuals who have completed a degree in mathematics should be equipped to:

1. find employment utilizing their mathematical knowledge;
2. use their mathematical knowledge to solve problems; and
3. undertake further studies related to mathematics.

Based on these over-arching objectives, a set of program outcomes has been adopted which describe the skills, knowledge, attitudes, values and behaviours that students should be able to demonstrate by the time they complete the program.

PROGRAM SPECIFIC OUTCOMES OF MATHEMATICS (CBCS)

Program specific outcomes, which will:

- be well grounded in the basic manipulative skills level of algebra, geometry, Linear Algebra, Real Analysis and beginning level calculus.
- develop an understanding of the underlying unifying structures of mathematics (i.e., sets, relations and Real functions, logical structure, Problems, etc.) and the relationships among them.

- be able to transmit mathematics ideas both orally and in writing.
- develop the ability to read and learn mathematics on their own.
- Such maturity is a much a function of how mathematics is learned as it is of what mathematics is learned

COURSE OUTCOMES OF MATHEMATICS (CBCS)

Mathematics-DSC-101:Outcome : Students will interpret average rate of change over an interval and instantaneous rate of change for a function at a point. Also, able to utilize appropriate theory and solution techniques for the problems of Taylor series with its interval of convergence for use in a variety of applications such as approximating values of a function and studying the behavior of a function.

Mathematics-DSC-201:Outcome: Students will demonstrate the ability to solve a variety of differential equations analytically and numerically.

Mathematics-DSC-301:Outcome: Students will demonstrate the ability to use the Basics Algebraic and Real Analysis concepts to analyze "real world" issues.

Mathematics-DSC-401:Outcome: Students will demonstrate the ability to algebraically and graphically analyze functions. Students will demonstrate the ability to model Abstract Algebra.

Mathematics-DSC-501:Outcome: Students will demonstrate the ability to algebraically and analyze Linear Problems. Students will demonstrate the ability to model Linear Algebra.

Mathematics-DSC-601:Outcome: Formulate a combinatorial optimization problem efficiently and Apply the simplex method for solving linear programming problems. Express the dual of a linear programming problem, interpret the results and obtain solution to the primal problem from the solution of the dual problem. Also, Apply the transportation simplex method to solve transportation problems.

Department of Zoology

PROGRAM OUTCOME (CBCS)

The Department of Zoology, Haflong Government College, Haflong, Assam, which is affiliated to Assam University, Silchar, offers the following two programmes of study: 1. B.Sc. (General) & 2. B.Sc. (Honours)

The programmes and course are executed by the department that is designed and prescribed by the Assam University, Silchar. It covers topics like genetics, molecular biology, biochemistry, developmental biology, animal behaviour, animal physiology, ecology, fish and fisheries, apiculture, sericulture, immunology, etc. that primarily aims to provide students with deep and extensive understanding of the subject. The course includes both theoretical and practical aspects of the subject.

As the student completes the course, he/she will be able to----

1. Develop a basic and strong foundation in Zoology.
2. Develop and improve the skill of applying concepts and techniques with diverse real life situations.
3. The knowledge gathered from practical, field works and study tour retains in the mind.
4. Inculcate ethical values, team work, leadership and managerial skills.
5. The programme provides platform to lucrative career opportunities from comfortable indoor settings to outdoor environment depending on their interests.

The career options may be as –

- i) **Research Positions:** After completion of B.Sc. and M.Sc. one can be availed at reputed research institutes like IISc, IIT, CMFRI, CIBA, CIFT, CIFA, NFDB, NBFGR, NIO, RGCA, NCBS, ATREE, etc.
- ii) **Field Positions:** Researching animals in their natural habitats can lead to avail jobs as wildlife technician, Animal services, associate, veterinary assistant, animal adoption specialist, research technician, animal caregiver and zoo-keeper.
- iii) **Conservation Positions:** Zoologists can work in local federal or state government agencies to develop and implement conservation measures and programs to protect the dwindling wildlife.
- iv) **Teaching Position:** One can availed at school levels after the completion of B.Sc. After B.Sc., students can pursue higher level of education like M.Sc., M.Phil., Ph.D. to avail teaching position at College and University levels.
- v) Channels like National Geography, Animal Planet, Discovery, etc. are in constant need of Zoologists for research and documentaries.
- vi) Acquiring a degree in Zoology also enables an individual to be hired in museums as curators, as Forensic experts, Lab. Technicians and many more.

vii) Livestock entrepreneurship is also an emerging self-employment option for graduates in Zoology.

COURSE OUTCOME (CBCS)

The program not only focuses to provide students with the theoretical knowledge, so it emphasises on field works and visits to areas of zoological importance thus enabling the students to understand the subject better. It also teaches the students the analysis of skills with which they can comprehend and participate in the real world, prepare them for further studies and to achieve success in professional careers.

Sl. No.	Name of Course	Course Outcome
1	Non-Chordates I: Protista to Pseudocoelomates	It basically intends the students to study about the structure, function, biodiversity, identification and classification of invertebrate animals from Protists to Pseudocoelomates.
2	Principles of Ecology	This chapter helps the student to understand how organisms relate with each other and their environment. The students learn about ecology, biotic and abiotic factors, Population ecology like population size, its density, interaction between organisms of the same population, community characteristics, ecosystem and applied ecology such as forestry, conservation and management of wildlife.
3	Non-Chordates II: Coelomates	It basically intends the students to study about the structure, function, biodiversity, identification and classification of invertebrate animals from Annelida to Echinodermata.
4	Cell Biology	As Cell Biology is the study of the structure and function of the cells so this will enable the students to know about different cell organelles and their functions and also about cell division and cell signalling.
5	Diversity of Chordates	It basically intends the students to study about the structure, function, biodiversity, identification and classification of invertebrate animals from Chordates to Mammals. It also includes zoogeography- realms, distribution, barriers, dispersal of animals.
6	Animal Physiology: Controlling and Coordinating Systems and Life Sustaining systems	Physiology is the principal branch of biological science. It is the science of processes taking place in living organism. Its study helps to know the function of the organism, the activities of its different organ in their interaction with environment, for eg- The work of muscles, heart, brain and spinal cord. The students get the knowledge of the structure of different organs in relation to their function, eg; testis, ovary and physiology of reproduction. They can have the idea about endocrinology which means the study of endocrine glands and the hormones secreted by them and also know about Mechanism in action, Regulation of their secretion etc.
7	Fundamentals of Biochemistry	The various life processes such as birth development, digestion, metabolism, respiration, excretion, etc. are the result of biochemical events. Hence, biochemistry is a vital branch of Biology. It encompasses the areas that require physiochemical approaches methods and techniques. The fundamentals of biochemistry helps the students to know about the Carbohydrates, Lipids, Proteins, Nucleic acids such as structures of DNA and RNA, types and Enzymes and the Mechanism of enzyme action.
8	Comparative Anatomy of Vertebrates	The students can compare and study the anatomy of different groups of vertebrates.
9	Biochemistry of Metabolic Processes	The study of biochemistry of metabolic processes helps the students to know about metabolisms like Carbohydrate metabolism, Lipid metabolism, Protein metabolism and Oxidative Phosphorylation
10	Molecular Biology	Molecular biology is the study of biomolecules and their metabolism in the cell. Study of molecular biology will help the students to know about nucleic acids like DNA, RNA, DNA replication etc. As it deals with genes, they will also have knowledge about the regulation of genes and their products of expression.

11	Principles of Genetics	Genetics is the science of heredity. From this chapter the students can learn about the Principle of inheritance, Linkage of genes, Crossing over, Mutation of gene and Chromosomal aberrations. They will also have the idea about the mechanism of Sex determination and Extra chromosomal inheritance and transposons in bacteria and humans
12	Developmental Biology	Developmental Biology deals with all events of the entire developmental period of an animal. The study of developmental biology helps the students to know the development of animal that starts from gametogenesis and proceeds with fertilization, cleavage, gastrulation, regeneration etc. They can also have the knowledge about the implication of development biology like In vitro Fertilization, Stem cell and Amniocentesis etc.
13	Evolutionary Biology	Evolution means unfolding or unrolling- a gradual, orderly change from one condition to another. This topic deals with the beginning and evolution of life from a single cell bacteria to multicellular man, evidences to support evolution- fossil records, geological time scale, theories and by genetics.
14	Immunology	Immunology is a branch of biochemical science that covers the study of all aspects of the immune system. The students can know the basic concepts in immunology, immune system, cells and organs of the immune system, the properties of antigens, antibodies. They can have an idea about the application of immunology- i) Diagnostic microbiology, like diagnosis of AIDS by ELISA test. ii) Application in medicine, in preventive medicine like vaccines iii) Treatment of diseases and many more. Learning Immunology helps to keep ones own defence in a better working condition and this helps us to lead a disease-free life.
15	Reproductive Biology	The students can learn about the reproductive system and the hormones responsible for the process of reproduction, functional anatomy of male and female reproduction, hormonal regulation and reproductive health like causes of infertility in male and female, diagnosis, reproductive technology, etc.
16	Fish and Fisheries	Fish and fisheries is related to catching of inland and marine fishes for commercial purposes .The students can learn about the general description of fish, classification based on feeding habit, habitat etc. it also involves aquaculture, gears, navigation, aquarium management, breeding, special products and by-products and fish diseases.
17	Animal Behaviour and Chronobiology	Ethology is the study of animal behaviour to find out natural responses of animals to various environmental stimuli. The student can learn about the experiments conducted by Karl von Frish and Ivan Pavlov, patterns of behaviour, social and sexual behaviour, historical developments in chronobiology, biological clocks, biological rhythms etc.
18	Apiculture	The art and technique of beekeeping is called apiculture. This chapter emphasises on the classification and biology of honey bees, rearing of bees, diseases and enemies, control and preventive measures, bee economy, entrepreneurship in apiculture.
19	Sericulture	The students can learn about the life cycle of exotic and indigeneous races of silkworm, rearing of silkworms and entrepreneurship in sericulture.
20	Aquarium Fish Keeping	This chapter emphasises on the potential scope of aquarium fish industry as a cottage industry, exotic and endemic species of aquarium fishes. It also involves biology, food and feeding of aquarium fishes, fish transportation and maintenance of aquarium.