

Dhakuakhana College, Dhakuakhana.

(Internal Quality Assurance Cell)

Program Outcomes

And

Course Outcomes

(2018-19)

Dhakuakhana College offers three years degree programme in Arts and Science streams i.e. B.A. and B.Sc. Each programme is designed with a numbers of expected outcomes. These are as follows.

Programme Outcome of Bachelor of Arts (B.A.):

PO-1: Students will acquire knowledge in the Social Sciences and humanities and able to participate in and contribute to the society through critical thinking.

PO-2: They will be able to understand the intertwined of Socio-economic, historical, geographical, political, ideological, philosophical and cultural traditions with the society.

PO-3: Students will be equipped with the qualities of critical thinking, effective communication, good citizenship, human capital and others.

PO-4: Students will be sensible to social issues and problems and contribute to their solutions.

PO-5: Students will be aware of contemporary challenges and threats to the society such as Terrorism, Environmental Crisis, human rights violations, superstitious beliefs, gender inequalities and so on.

Programme Outcome of Bachelor of Science (B.Sc.):

PO-1: This programme will instil sense scientific temperaments among students such as observation, analytical mind-set, logical argument, systematic approach to the problem.

PO-2: This sense of scientific temper and attitude among the students which will help the society in its progress.

PO-3: This programme will enhance problem solving skills of the students.

PO-4: Students will be able to appear in different competitive Examinations and engage themselves in different fields.

PO-5: Students will be equipped with the qualities of critical thinking, effective communication, good citizenship, human capital and others.

Course Outcomes:

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|------------------|---------------|-----------------------|
| 1) Anthropology, | 2) Assamese, | 3) Botany, |
| 4) Chemistry, | 5) Economics, | 6) Education, |
| 7) English, | 8) History, | 9) Mathematics |
| 10) Philosophy, | 11) Physics, | 12) Political Science |
| 13) Sociology | | |

Anthropology:

CO 1. To understand History and development, Aim and scope of modern Biological Anthropology and its relationship with allied disciplines.

CO 2. To understand the Human variation and different theories of evolution like, Darwinism etc.

CO 3. To understand the relation of non-human primates with human evolution.

CO 4. To understand various racial classification, UNESCO statement of race and human Genome research.

CO 5. To understand the scope, relevance and relationship of social Anthropology

CO 6. To understand the different concepts like Society, Culture, Status, Role, Social fact, Social system etc.

- CO 7. To understand ethnographic fieldwork with the help of historical methods.
- CO 8. To understand the scope, relation and methods of studying Archaeological Anthropology.
- CO 9. To understand the different dating methods for construction of the past, plistocene climatic change.
- CO 10. To understand the different cultural methods with emphasis on manufacture of tools, tool typology and technology.
- CO 11. To understand the origin of primate with special reference to Hominoids.
- CO 12. To understand the distribution and phylogenetic status of Australopithecine, Homo habilis, Homo Erectus, Homo Sapiens and modern Humans..
- CO 13. To understand the Hominisation process.

Assamese:

- CO 1. Students will be able to understand the basic concept and knowledge of Assamese Language and Literature.
- CO 2. The department will enhance students' mental power in arriving at any decision analytically and critically.
- CO 3. Students will be able to understand the basic concept of language and Assamese Language.
- CO 4. The department will increase critical understanding/thinking of the students in the light of Indian Literature & Assamese literature.
- CO 5. The study of Assamese Literature will acquaint students with various Modern western and Indian Writers who writes so many famous books in their life.
- CO 6. The subject intends to imbibe classical Indian literature values, Religious text in students' life.
- CO 7. Students will be able to learn Assamese proof reading by reading this course.
- CO 8. By reading Assamese, Major Students will be able to understand the History of Assamese Short story, Novel, poetry and Drama etc.
- CO 9. The subject enabled students to value the values of human.
- CO 10. The subject also will help students to understand the concept of world literature.
- CO 11. The Subject also will help to understand the various Language and Language branches of world. Especially they will understand the Indo Aryan language and the various branches of Tibbeto-burman language.

Botany:

- CO1. Identifying different resources helpful for human life.
- CO2. Identifying different groups of plants
- CO3. Acquiring knowledge about inheritance, biochemical and metabolic activities.

CO4. Development of horticultural skill. e. Acquiring knowledge about importance of environment.

Chemistry

Students will gain an understanding of

1. **Paper code MM 101:** Inorganic, organic and physical chemistry in their advanced treatment.
2. **Paper code NM 101:** Chemistry in different field of specialization in depth.
3. **Paper code MM 201:** Importance of chemical thermodynamics, non-transition metals, along with different types of organic reactions.
4. **Paper code NM 201:** Inorganic chemistry in the form of material science.
5. **Paper code MM 301:** Co-ordination chemistry, mechanism and the importance of d- and f- block elements.
6. **Paper code MM 303:** Importance of Halogenated hydrocarbons, chemistry of carbonyls along with sulphur containing compounds.
7. **Paper code NM 301:** Organic chemistry in the light of different types of reaction.
8. **Paper code MM 401:** Conductance and importance & applications of electrochemical cells along with the second law of thermodynamics.
9. **Paper code MM 403:** Active methylene compounds, aliphatic and aromatic amine and heterocyclic compounds
10. **Paper code NM 401:** Physical chemistry in terms of physical forces which govern our surroundings.
11. **Paper code MM 501:** Importance and application kinetics, solution equilibrium and surface phenomena.
12. **Paper code MM 503:** structure, properties and uses of organometallic compounds, clusters and organic reagents in inorganic analysis.
13. **Paper code MM 505:** Different types of organic reactions, conservation of orbital symmetry, biological importance of Biomolecules, structure and importance of pharmaceutical compounds.
14. **Paper code MM 507:** Quantum mechanics with special reference to classical mechanics, symmetry and bonding.
15. **Paper code MM 601:** Photochemistry, structure and application of macromolecules, catalysis and statistical thermodynamics.
16. **Paper code MM 603:** Role of metals in biological system, techniques for isolation of compounds in laboratory and in industry.
17. **Paper code MM 605:** Elementary idea of disconnection approach in organic synthesis, application of IR, UV, and NMR spectroscopy in structural identification of organic molecules and idea of Green synthesis of Chemical compounds.
18. **Paper code MM 607:** Interaction of electromagnetic radiation with matter in various forms and application of spectroscopic data for determining molecular

structure.

Economics

- CO1. Understanding how different degrees of competition in a market affect pricing and output.
- CO2. Understanding the efficiency and equity implications of market interference, including government policy.
- CO3. Developing research knowledge in economics.
- CO4. Developing the skill of data collection & use of sampling techniques in research.
- CO5. Developing the knowledge about theories of economic growth & development and issues of economic planning.
- CO6. Creating awareness about changing macro-economic policies and theories.

Education

Students will be able to,

- CO 1. Know the meaning, concept and aims of education. They will be able to know the philosophical and sociological bases of education, Know the meaning, concept and different branches of psychology. They will possess in-depth knowledge of educational psychology to deal with the complex human behaviour in educational set up.
- CO 2. Learn how to construct and administer different psychological tests, conduct psychological experiments alongwith the measurement and evaluation. Know the historical background of education, development of education in pre-independent and post-independent India
- CO 3. Get knowledge about the hierarchy and systems involved in educational administration, management and planning. They will also be able to know the inter-relationships between education and economy.
- CO 4. Know the prevailing educational systems in other developed nations and the best practices adopted by them.
- CO 5. Possess qualities to some extent of a guide or a counsellor to cope up with the psychological, societal or career related issues in educational environment those may affect the pupils' mental health and hygiene.
- CO 6. Know the constitutional provisions, recent trends and reforms in policy matters of education with special reference to holistic and inclusive education.
- CO 7. Acquaint themselves with the best teaching skills, use of ICT and preparation of lesson plans by way of theoretical knowledge and practical class-room teaching.

English

A student, who has taken admission into this program of B.A with English as specific subject of study, is expected to target on following outcomes.

- CO1. Basic knowledge of English as Language.
- CO2. Major knowledge of English as Literature.
- CO3. Basic knowledge of English Grammar.
- CO4. Critical study of English Literary studies.
- CO5. Relation between pleasure of literature and real life.
- CO 6. Socio-Cultural background of English, American and Indian English literature.
- CO 7. Knowledge on the European seminal literary texts.
- CO 8. Knowledge on English linguistics.

History

CO 1. Students will be able to a general outline of the history of Assam from the 13th century to the occupation of Assam by the English East India Company in the first quarter of the 19th century. It aims to acquaint the students with the major stages of developments in the political, social and cultural history of the state during the medieval times.

Students will acquaint themselves with the main currents of the socio-political and economic developments in Assam during the colonial period.

- CO 2. Students will be able to know the major developments in European politico-economic scenario since the Renaissance till the end of the French Revolution
- CO 3. Students will be able to get a general outline of the history of India from the known earliest times to the coming of the Mughals to India in the first quarter of the 16th century. It is aimed at giving them a comprehensive idea of the developments in all spheres of life during this period.
- CO 4. Students will know the general course of events in the field of political, social, cultural and economic affairs in India from the foundation of the Mughal Empire in 1526 till Independence in 1947.
- CO 5. Students will know the new discipline of ecological and environmental history. It intends to familiarize them with the relation between ecology and human civilization with particular reference to post independence India. It also attempts to bring the pupils to the understanding of the social and economic conflicts emerging due to environmental factors.

- CO 6. Students will know the basics of the discipline of History and acquaint them to the understanding of its sources in their varied forms, contents, uses and analysis.
- CO 7. This paper will teach the students to appreciate critical outline of the political history of Assam from the earliest times to its occupation by the English East India Company in the first quarter of the 19th century. It aims at acquainting the students with major and significant stages of developments in the course of the history of the state of Assam.

Mathematics

- CO1. Ability to calculate and reason to design complex and critical financial models for Bank and Insurance Companies.
- CO2. Ability to understand both concrete and abstract problems.
- CO3. Ability to make critical observations.
- CO4. Ability to accurately organize, analyze and interpret data.
- CO5. Develop the mathematical logic which is very useful for solving mathematical reasoning problems.

Philosophy

Students will be able to

- CO 1. Have the basic concepts of Philosophy concerning theories of knowledge, categories of knowledge, theories of Truth, etc.
- CO 2. Apprehend the necessity of Philosophy in this post-modern world.
- CO 3. Familiarized themselves with the basic ideas of Aristotelean and Symbolic Logic.
- CO 4. Apply symbols in their day to day usage of proposition.
- CO 5. Have a close acquaintance with Indian Philosophy as a whole.
- CO 6. Appreciates the various schools of Indian Philosophy and their major doctrines
- CO 7. Identify their lives' basic epistemological and metaphysical problems in classical philosophy and overcome it.
- CO 8. Acquaint themselves with basic concepts of applied Ethics concerning value of human life, environmental ethics and professional ethics.
- CO 9. Acquaint themselves with the modern ethical issues such as medical ethics, euthanasia, abortion, doctor-patient relation, media ethics, privacy, problem of yellow journalism, ethical issues in Cyber Space, etc.

Physics

- CO1. Identifying and describing physical systems with their professional knowledge.

- CO2. Developing their scientific intuition, ability and techniques to tackle problems either theoretical or experimental in nature.
- CO3. Knowledge of general physics like sound, wave, friction, forces and laws of motion and use of mathematics.
- CO4. Information of electrical current, circuits, construction and their use.
- CO5. Learning about concepts of nuclear physics and nuclear energies and importance of their use for mankind.
- CO6. Knowing about the light and its importance in life, its characteristics, properties and use in various instruments

Political Science

- CO1. Knowledge about political system of the nation.
- CO2. Study of national and international political affairs.
- CO3. Study from competitive examination point of view.
- CO4. Understanding the government mechanism, its functions, duties and responsibilities.
- CO5. Creating appropriate and efficient political leaders.
- CO6. Getting knowledge of political law.
- CO7. Getting knowledge of Constitution of India.

Sociology

- CO1. Acquaintance with social transactions, social relations, social formations, social control, social values and culture.
- CO2. Knowing the significance of social institution, caste system, religion, nationalism, integrity, equality and justice.
- CO3. Getting the knowledge of the works of social reformers all over the nation.
- CO4. Ability to follow new stream of thoughts and theories of social thinkers.
- CO5. Getting the deep knowledge about various social groups like tribal community, women bulk etc.
- CO6. Ability to deal with research in sociology.

Zoology

CO1. Improving the knowledge about criteria for animal classification.

CO2. Study of salient features of chordates and non-chordates.

CO3. Improving the knowledge of animals about their special adaptations and evolutionary relationship.

CO4. Scientific study of their nature of habitant with environment.

CO5. Improving information about external morphology and anatomy of animals including human being.

