

MAJULI COLLEGE

Estd. 1962

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No

Date

Department of Assamese

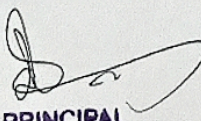
Programme Outcomes

- PO1: Students will understand the basic concepts of concept and knowledge of Assamese language and literature.
- PO2: Students will learn the History of Early, Medieval and Modern Assamese literature.
- PO3: Students will get the ideas of Assamese Poetry and Prose.
- PO4: Students will acquire the knowledge of Modern western and Indian Writers who writes so many famous books in their life.
- PO5: Students will learn about the Cultural History of Assam and classification Scopes of Assamese culture.
- PO6: Students will be able to write Creative Literature.
- PO7: Students will be able to face various competitive examination and interviews

Department of Economics

Programme Outcomes

- PO1: Acquiring the knowledge of microeconomics is main Objective of this course by which they can use these microeconomic concepts in their real life situations.
- PO2: Knowledge of mathematics and macroeconomics is very much necessary to solve the economic problems of society in general and real life of the learners in particular.
- PO3: A clear concept of microeconomics and mathematics is very much important for the students of economics. This knowledge is extensively used to analyse the consumers and producers behaviour under the condition of perfect market.
- PO4: To analyse the general equilibrium and welfare economics under the conditions of imperfect market condition requires the knowledge of microeconomics concepts and mathematical tools.


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Non-CBCS

- PO1: How to define basic concepts of poverty and inequalities in the process of development along with preparation of policy measures to solve it.
- PO2: How can we apply mathematical tools in economics to solve economic problems, i.e.,- profit maximization, cost minimization, utility, etc.,
- PO3: To Understand practical knowledge of public finance in particular reference to collection of revenue, expenditure, allocation of resources and preparation of budget.
- PO4: Learners have to understand the basic problems of Indian economy covering all the dimensions with a particular reference to NE region.

Department of Education

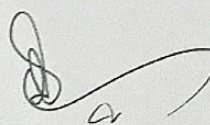
Program outcomes

The Education encompasses different perspective of teaching, psychology and allied aspects. It enhances the knowledge and understanding pertaining to social cultural aspect. The course assists the student towards the preparation and implementation of teaching methodologies.

- PO1. To understand the various modern concepts, aims, functions and role of education, role of philosophy and basic tenets of Indian and Western Philosophy with appraise the contribution of philosophers.
- PO2. To explain and illustrate concept, approach, theories, social aspects, social process and social change and development, different political ideologies with the basis of education.
- PO3. To explain and analysis Psychology and experimental psychology and related area
- PO4. To describe and practice methodology of teaching
- PO5. To appraise the contribution of philosophers in the domain of education and justify the relevance of the thoughts of the philosopher
- PO5. To identify and explain the challenges of Indian education system of new perspectives of education
- PO6. To solve the primary problems faced in the project work or field work at social science research in education etc.

Program Specific Outcomes

- PSO1. Understand the nature and basic concepts of education, psychology and education psychology, mental health issues, needs of measurement and evaluation in education, experimental psychology, education and economics etc.



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- PSO2. Analyse and enumerate the relationship between education and different social science subjects.
- PSO3. Understand the skills of methodology of teaching and project report preparing, applications of _Micro- teaching, preparing lesson- plans, practice teaching etc.
- PSO4. Determine educational avenues like research, teaching, competitive examination, studying in DIET, B.ED, D. El. Ed.etc.

Department of English

Program Outcomes

- PO1: Estimate the implications of the relation between literature and society.
- PO1: Reading and analyzing various literary texts.
- PO2: Negotiating several aspects of literature like style, content, plot, character, genre etc. and explore these while studying English literature.
- PO3: Writing skills with clear and grammatically correct sentences.
- PO 4: Demonstrate to use critical terms and theory in analyzing texts.
- PO5: Organize Seminar and Group Discussion on a variety of topics of English literature and language.

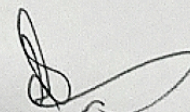
Programme Specific Outcomes

- PSO 1: Understand the basic relation between language and literature
- PSO2: understand the characteristic features of Indian Drama vis-à-vis world drama.
- PSO 3: Demonstrate the skills required for effective communication in English.

Department of Geography

Program Outcomes

- PO1: Geography is a subject which has relation with all other subjects of Earth Sciences
- PO2: Economic establishment with different human activities. Resource of Developments based on Physiographic in the difference part of the world.
- PO3: Factors responsible for the development of a region.
- PO4: Use of modern tools and technique in the field of Geographical study.
- PO5: Concept of climate. Factors responsible for the climatic change in the different parts of the region.
- PO6: Historical background of Geographical study.
- PO7: Burning problems of climatic change and their courses. Environments imbalance due to various factors. Sustainable developments.
- PO8: Concepts of Surveying and levelling use of Map projection.



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PO9: Disaster Man-Made and Natural awareness program.

PO10: Resource and development of North East Status.

Department of History

Programme Outcomes

After completing this programme, student is expected to

PO1: Give requisite information about different aspects of the past.

PO2: Incorporate the authentic historical information for the betterment of society.

PO3: Analyse how historians research, frame an argument and debate the details that have significance to understand the past and the present.

PO4: Inculcate a sense of inquiry and capability for asking relevant/appropriate questions, problematizing, synthesizing and articulating; ability to recognize cause and effect relationships, define problems, formulate hypotheses, test hypotheses, analyze interpret and draw conclusions from data, establish hypotheses, predict cause and effect relationship: ability to plan execute and report the results of an experiment or investigation.

PO5: Develop a sense of interconnectedness of our present with the past and how learning about the past provides them with the skills to understand the present.

PO6: Understand that historical facts are not static since new discoveries are constantly thrown up by archaeology, generics, climate sciences and so on.

PO7: Capability to assume leadership roles and apply the above mentioned analytical abilities in various other non-familiar contexts.

Programme Specific Outcomes

After completing this programme, student is expected to

PSO1: Understand the basic themes, concepts, chronology and the scope of Indian history.

PSO2: Understand background of our religion, custom, institutions, administration and so on.

PSO3: Understand the relationship between the present and past and society in global context.

PSO4: Examine multiple points of intersection of history with disciplines in the Humanities and the Social Sciences.

PSO5: Develop practical skills helpful in the study and understanding of historical events like drawing historical maps, charts, diagrams and prepare historical models, tools etc.



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PSO6: Develop interests in the study of history and activities relating to history. The students will be able to locate primary sources, analyze evidence and situate them in historical context.

- (a) Collect ancient arts, old coins and other historical materials;
- (b) Participate in historical drama and historical occasions;
- (c) Visit places of historical interests, archaeological sites, museums and archives;
- (d) Read historical documents, maps, charts etc.
- (e) Play active roles in activities of the historical organizations and associations;
- (f) Write articles on historical topics.

PSO7: The study of history helps to impart moral education.

PSO8: Proper knowledge of history instils the feeling of true patriotism.

PSO9: Prepare for various types of competitive exams.

PSO10: The ability to use bibliographical tools for the advanced study of history.

PSO11: To develop an appreciation of themselves & of other through the study of the past in local, regional, national and global context.


Department of Political Science

Program Outcomes

- PO1:** The program helps the students to understand fundamental concepts of Political science.
- PO2:** It contributes in acquiring knowledge on the entire political systems of different countries.
- PO3:** It also helps in understanding both the theoretical as well as the practical aspects of government, NGOs, Pressure Groups, Elections etc.
- PO4:** The course has significant role to give a way to the students in their engagement in different fields.
- PO5:** The program helps the students in preparing for different competitive exams.

Program Specific Outcomes

- PSO1:** Identify key figures and articulate important ideas of political theory and apply them to current trends and events in Politics.
- PSO2:** Demonstrate competent knowledge of world geography, comparative political systems and principles of international politics.
- PSO3:** Students will be able to demonstrate substantive knowledge of concepts and facts relevant to political science.


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PSO4: It helps the students to undertake research on different socio-political issues specially on Northeast India in order to protect and promote ethnic diversity and indigenous culture of the region.

PSO5: To create awareness in society about various rights and freedoms enshrined in our constitution and create a generation with moral commitment to these values.

PSO6: To ensure a conducive learning ambience with a healthy teacher-student relationship.

PSO7: To understand social and academic intervention for the course of amelioration of the conditions of the marginalized people in the neighboring areas of the college.

PSO8: To develop critical insight and to create original, innovative idea

Department of Sanskrit

Programme Outcomes

PO1: Enrich the general knowledge of Sanskrit grammar.

PO2: General introduction with thinking of east or intellectual disciplines i.e. Indian philosophy.

PO3: Enrich the basic concept of translation from Sanskrit to other language and vice-versa.

PO4: Provides knowledge on heritage of India.

PO5: Able to know about the Sanskrit poetics or Saundarya shastra.

PO6: Encourage to ethical judgment in various aspect of life

Department of Sociology

Programme Outcomes

PO1: To understand sociological knowledge

PO2: To provide knowledge on theoretical as well as methodological perspective

PO3: Understand the basic relation between society and men

PO4: To organize seminar, group discussion and field view for knowledge gain

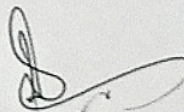
PO5: To aware for basic rights, consciousness and duty

Department of Botany

Programme Outcomes

PO1: Introduction to the microbial world.

PO2: To understand importance of structural biomolecules, laws of thermodynamics in biological system.



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- PO3: To acquire detail knowledge on morphology, anatomy, reproduction, life cycle of different plant groups.
- PO4: To understand the detail anatomical structure of plant body and adaptive and protective mechanism of different plants.
- PO5: To acquire basic knowledge on the economically important plants, its identification, processing and application on human welfare.
- PO6: To acquire knowledge on Genetics and Molecular Biology, Plant Biotechnology and its application.
- PO7: To understand issue of environmental contents and sustainable development, distribution of plants over the globe, population dynamics and conservation ecology.
- PO8: To acquire knowledge on plant physiology and metabolism.

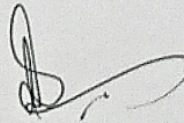
Programme Specific Outcomes

- PSO1: Understand the basic concept of microbiology, cell biology, biochemistry taxonomy, genetics and ecology.
- PSO2: Application of biological science in Agriculture, Industry and Medicine.

Department of Chemistry

Programme Outcomes

- PO1: Students shall understand the basic concepts of bonding, structure of atom from the quantum mechanics point of view and minute details of different states of matter.
- PO2: Students shall learn the different aspects of basic organic chemistry as well as thermodynamics.
- PO3: Students shall get the ideas of kinetics and other surface phenomena along with detailed chemistry of hydrocarbons and metals.
- PO4: Students will acquire the ability to identify different Nitrogen based derivatives and their reactivity, structure –mechanism and total synthesis. They will understand the theories of conductance, solubility and importance of transition elements along with the chemistry of coordination compounds.
- PO5: Students shall learn about the chemistry of different biomolecules and their significances. They will simultaneously get the concept of quantum chemistry and acquire the knowledge on spectroscopy.
- PO6: Students shall understand the application of catalysts and concept of organometallic compounds. They will also learn about structure elucidation of organic molecules



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with the help of by spectroscopic techniques and get the idea about applied chemistry.

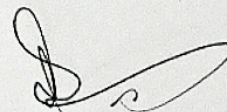
Programme Specific Outcomes

- PSO1: Understand the basic concept of organic, inorganic and physical chemistry along with its details and significance.
- PSO2: To study the chemistry of molecules, its synthesis, structure determination and their application in industry as well as pharma sector.
- PSO3: Approach to introduce with the different laboratory tools and techniques to identify, synthesize and analyze different chemical compounds.

Department of Mathematics

Programme Outcomes

- PO1: Student will be able to apply Mathematics as a tool to solve problems of other disciplines viz, Science and Technology, Commerce and Management, Humanities, Soft-computing etc.
- PO2: Student will be able to develop new techniques or methods for solving the unsolved problems of the other disciplines.
- PO3: Student will be able to solve problem in the advance areas of (a) mathematical analysis, (b) linear algebra, (c) real analysis and (d) statistics.
- PO4: Student will be able to read analysis and write logical argument to prove mathematical concept.
- PO5: Student will be able to communicate mathematics idea with clarity and coherence, both written and verbally.
- PO6: Student will be able to perform research in conjunction with other as well as individually.
- PO7: Student will be able to apply critical thinking skills to solve problems that can be modeled mathematically.
- PO8: Student will be able to perform and model basic operations on real numbers.
- PO9: Student will be able to critically interpret numerical and graphical data.
- PO10: Student will be able to read and construct mathematical arguments and proofs.
- PO11: Student will be able to use computer technology appropriately to solve problem and to promote understanding.
- PO12: Student will be able to communicate a depth and breadth of mathematical knowledge, both orally and written.



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Program Specific Outcomes


Students who will successfully complete the programme:-

- PSO1: Understand the foundation of mathematics.
- PSO2: Will be able to perform basic computation in higher mathematics.
- PSO3: Will be able to read and understand middle level proofs.
- PSO4: Will be able to write and understand basic proofs.
- PSO5: Developed and maintain problem solving skills.
- PSO6: Will be able to communicate mathematical idea.
- PSO7: Recognize real-world problems that are amenable to mathematical analysis, and formulate mathematical models of such problems.
- PSO8: Apply mathematical methodologies to open ended real problems.
- PSO9: Will be able to distinguish a coherent argument from a fallacious one, both in mathematical reasoning and in everyday life.
- PSO10: Will be able to apply mathematical Knowledge to a carrier related to mathematical services or in post baccalaureate studies.

Department of Physics

Programme Outcomes

- PO1: Learners will gain the knowledge of numerical and computational methods in physics laws and theories of mechanics.
- PO2: Learners will acquire experimental skills on electric and magnetic field effects and different optical instruments in detail.
- PO3: Learners will be able to understand and apply computational/numerical methods in Physics, analyze and conduct scientific experiments on thermodynamics and construct real-life applications using digital systems.
- PO4: Learners will be able to develop advanced mathematical skills, understand the basics of modern physics and learn the working and applications of semiconductor devices.
- PO5: Learners will be able to apply quantum mechanics to solve physical systems in different areas of science and get equipped with basic concepts and experimental aspects of solid state physics.
- PO6: Learners will develop knowledge about various phenomena of electromagnetic waves and gain the ability to solve any challenging physical problem in statistical mechanics.



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Program Specific Outcomes

- PSO1: Learners will be able to apply mathematical methods to solve problems in Physics and will gain the knowledge of the applicability of mechanics. They will understand the relation between electric and magnetic fields and their applicability in modern world. They will acquire the knowledge about the working principle of various optical instruments.
- PSO2: Learners will gain an insight into the advanced mathematical techniques to solve problems in Physics. They will be able to use the concept of thermodynamics and digital electronics in practical world applications. Learners will be able to gain knowledge of the key principles and applications of Quantum mechanics and Nuclear Physics. Learners will be able to understand the digital logic gates and the conversion from analog to digital and vice-versa.
- PSO3: Learners will be able to apply Quantum Mechanics in solving Physics problems. They will learn the fundamentals of Solid State Physics and the behavior of electricity and magnetism in matter. Learners will understand the role of Statistical Mechanics in explaining the diverse physical phenomena.

Department of Zoology

Programme Outcomes

- PO1: To understand various forms of Non chordates and Chordates, their classification and structural anatomy.
- PO2: Familiarising the students with the Ecological factors and its effect on living organisms.
- PO3: To expose the students to structure and function of Cell as the fundamental unit of life.
- PO4: To acquire basic knowledge about the comparative anatomy of integumentary system, skeletal system, Digestive system etc.
- PO5: To acquire knowledge about Molecular Biology and Immunology, Principles of Genetics, Biotechnology and Bioinformatics.
- PO 6: To understand the knowledge about Parasitology, Animal behaviour, application of Apiculture, Sericulture, Piggery, Poultry etc.



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Programme Specific Outcomes


- PSO1:** Understand the basic concepts of animal diversity,
- PSO2:** Understand the concept of Zoology at the Molecular level and its application in human welfare and health.
- PSO3:** Application of Biology in various practices like Sericulture, apiculture, aquaculture, poultry etc.

B.Voc.(IT)

Programme Outcomes

BVoc- IT programme has been designed to prepare graduates for attaining the following specific outcomes:

- PO1:** An ability to apply knowledge of computer science and management in practice.
- PO2:** An ability to enhance not only comprehensive understanding of the theory but its application too in diverse field.
- PO3:** The program prepares the young professional for a range of computer applications, computer organization, techniques of Computer Networking, Software Engineering, Web development, Database management and Advance Java
- PO4:** An ability to design a computing system to meet desired needs within realistic constraints such as safety, security and applicability in multidisciplinary teams with positive attitude.
- PO5:** An ability to communicate effectively.
- PO6:** In order to enhance programming skills of the young IT professionals, the program has introduced the concept of project development in each language/technology learnt during semester.



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