

D.C.B. Girls' College, Jorhat, Assam

Program Outcomes, Program Specific Outcomes and Course Outcomes of all Programs

Economics:

The main objective of this subject is to develop the understanding the basic concepts of economics.

The subject will enhance the economic reasoning of the students to analyze the behavior patterns of different economic agents.

It will help to understand the decision making process in different market situations.

It will provide opportunity to the students to deal with the advanced theoretical issues and their practical applications.

The course will also acquaint the students with some basic statistical and mathematical methods that can be applied in economics.

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Physics:

The basic objective of the subject is to develop the basic understanding on different branches of Physics such as classical mechanics, quantum mechanics, statistical mechanics, thermodynamics, electrodynamics, solid state physics, atomic and nuclear physics, electronics etc.


The course will give an idea about the theoretical aspects of different physical phenomenon and physical properties of matter.

The student will be acquainted with the evolution of Physics from Newtonian era to the present era.

The course will also develop the knowledge on different mathematical techniques used for the study of the physical properties and phenomenon.

The course will also help the students to develop the idea on different experimental techniques used in physics.




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History:

The objective of this course is to acquaint the learners with the basics of the discipline.

The course helps the students in understanding the sources of History in their varied forms, contents, uses and analysis.

The subject introduces the students to the significant historical changes in the socio political and economic life in the world.

The course also acquaints the students with Feminist Movement, the key concepts women's studies as well as sources of reconstructions of women's history.

The course helps the students to understand the new discipline of ecological and environmental history.

The course also acquaints the students with the developments in Indian Science and Technology.

Education:

The course acquaints the students with the meaning, nature, scope and aims of education.

It sheds lights on the role of education as an instrument of social change.

It helps to familiarize the learners with some specific tools to measure intelligence, personality and aptitude.

It enables the students to understand the concepts of psychology, mental health and hygiene.

The course orients students towards educational technology.

Chemistry:

The main objective of the subject is to develop the basic understanding on Physical Chemistry, Inorganic Chemistry and Organic Chemistry.

The course will give an idea about the theoretical aspects of different chemical properties of matter.

The learners will be acquainted with different experimental techniques used in chemistry.

The course will also develop the knowledge on different theoretical tools used for the study of chemistry.



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Botany:

The main objective of this subject is to provide an insight to the basic concepts of the subject.

It provides comparative account of structure and morphology, distribution anatomy, reproduction and evolution of different plant species.

It also acquaints the students with the basic knowledge of microbiology and biotechnology in the light of recent development.

The students will learn the economical and medicinal values of different plant species.

The course will develop the experimental skills of the students by familiarizing them with experimental processes and handling of equipments used for the study of different plant species.

The program gives an opportunity to the students to acquire practical knowledge on ecological systems by visiting places of botanical interest.

English:

The program will acquaint the learners with the history of English language.

The subject will make the students understand common critical terms and concepts.

The learners will be acquainted with major events and characters in classical mythology.

The course will through lights on the contributions of major poets from Shakespeare to Eliot.

The course will keep the students abreast of movement that mark the growth of English novel.

The course acquaints the students with basic concepts associated with the language.

It aims to familiarize the students with the sound system of English and English syntax to stimulate effective communication in English.

Geography:

The course is intended to familiarize the students with the distinctiveness of geography as a field of learning in social science as natural science.

The program helps the students to understand various aspects of environmental geography, ecology and ecosystem.



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The specific outcome of this program is to acquaint the students with the use of different cartographic methods to represent various socio economic data and their analysis.

The course enhances the knowledge of the students on various aspects of industrial, agricultural and transport geography.

The excursion trips enhance the awareness of the students on the geographical aspects of the world in general and India and North East India particular.

Mathematics:

The course will help the students to identify the analytical aspects of mathematical concepts.

The inclusion of computer programming and computer lab makes the students able to formulate programs for numerical evaluation of computational problems.

They also become familiar with different mathematical software.

The students are taught on the application of mathematical principles to the problems of financial mathematics and operation research.

The course acquaints the students with the applications of mathematical principles to the problems of mechanics, space dynamics and relativity etc.

Computer Science:

The course helps the students to learn different levels of Computer programming.

This course helps the students to apply computational skills on solving the mathematical and physical problems which help them to grasp the subjects better.

The course makes the students familiar with software and web development.

Zoology:

The course intends to introduce the students with the major events of animal physiology, endocrinology etc.

The program also acquaints the students with the structure, function and transmission of genetic materials from generation to generation and the basic concepts of molecular biology.

The program gives an opportunity to the students to acquire practical knowledge on ecological systems by visiting places of zoological interest.



A handwritten signature in blue ink, appearing to read "Shyam".

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The course makes the students familiar with tools and techniques used in biological study.

The course will develop the experimental skills of the students by familiarizing them with experimental processes and handling of equipments used for the study of different animal species and organs.

Assamese:

The program will acquaint the learners with the history of Assamese language.

The subject will make the students understand common critical terms and concepts.

The learners will be acquainted with major events and characters in classical mythology.

The course will through lights on the contributions of major poets from Srimanta Sankardeva.

The course will keep the students abreast of movement that mark the growth of Assamese novel.

The program also gives an insight on folklore of Assam.

Political Science:

The course familiarizes the students with the processes and dynamics of Indian Politics.

The course is designed to introduce the students to the contribution of the main traditions of Indian political thinking to political thought.

It provides knowledge on evolution, development and trends of India's foreign policy.

It provides basic concepts and issues of human rights and acquaints the students with the contemporary challenges.

The course is designed to generate sensitization of women issues and problems.

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