

PROGRAM /COURSE OUTCOME

(Department of Chemistry)

Programme with code : BSc Chemistry

Outcome of the Program: Aim to provide a firm foundation in every aspect of Chemistry and to explain a broad spectrum of modern trends in chemistry and to develop experimental, computational and mathematics skills of students.

Program Specific outcome : Chemistry, being central to all other sciences, its study provides a fundamental insight into the changes taking place in and around our fascinating nature. No one can understand the modern world without the basic knowledge of Chemistry and its advanced study help us to have a thorough knowledge of the entire world.

Course outcome

CH1CRT01 – GENERAL AND ANALYTICAL CHEMISTRY

CH2CRT02 – THEORETICAL AND INORGANIC CHEMISTRY

To impart essential theoretical knowledge on atomic structure, periodic properties, chemical bonding, and nuclear chemistry.

CH2CRP01 - VOLUMETRIC ANALYSIS

CH3CRT03 - ORGANIC CHEMISTRY – I

To promote understanding of basic facts and concepts and to inculcate interest in Organic chemistry.

CH4CRT04 - ORGANIC CHEMISTRY –II

To give the students a thorough knowledge about the chemistry of some selected functional groups with a view to develop proper aptitude towards the study of organic compounds and their reactions

CH4CRP02 - QUALITATIVE ORGANIC ANALYSIS

CH5CRT05 - Environment, Ecology and Human Rights

Environmental awareness is to understand the fragility and sensitivity of our environment, in particular the biosphere and the importance of its protection. Promoting environmental awareness is an easy way to become an environmental steward and participate in creating a brighter future for our next generations. The most important goal of this paper is to impart

awareness on various environmental aspects, with some glimpses of contemporary issues. This will help them foster a sense of responsibility and "proactive citizenship".

CH5CRT06 - ORGANIC CHEMISTRY - III

To give the students a thorough knowledge about the mechanisms of reactions of some selected functional groups in organic compounds and also to give an outline of applied organic chemistry and the applications of organic chemistry in various spheres of chemical sciences.

CH5CRT07 – PHYSICAL CHEMISTRY - I

To understand the general characteristics of different states of matter

CH5CRT08 – PHYSICAL CHEMISTRY – II

To understand the fundamentals of quantum mechanics and its applications in the study of structure of atoms, bonding in molecules and molecular spectroscopy

CH5OPT02 - NANOSCIENCE AND NANOTECHNOLOGY

CH6CRT09 - INORGANIC CHEMISTRY

To improve the level of understanding of the chemistry of transition and inner transition metals, coordination compounds, organometallic compounds, metal carbonyls and bioinorganic chemistry.

CH6CRT10 - ORGANIC CHEMISTRY - IV

To give an outline of bio-organic chemistry and chemistry of natural products

CH6CRT11 – PHYSICAL CHEMISTRY – III

To provide an insight into the thermodynamic and kinetic aspects of chemical reactions and phase equilibria

CH6CRT12– PHYSICAL CHEMISTRY – IV

To provide an insight into the characteristics of different types of solutions and electrochemical phenomena

CH6CRP03 - QUALITATIVE INORGANIC ANALYSIS

CH6CRP04 - ORGANIC PREPARATIONS AND LABORATORY TECHNIQUES

CH6CRP05 - PHYSICAL CHEMISTRY PRACTICALS

CH6CRP06 GRAVIMETRIC ANALYSIS

CH6CBT01 - POLYMER CHEMISTRY

The aim of this course is to provide a basic understanding of classification, preparation, Physical and chemical characteristics and applications of polymers

CH6PRP01Project