

Course Outcome

Department of Chemistry

DSC & G.E Paper-I: - Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons

- CO1**-To help the students to learn the Atomic Structure.
- CO2**-To make students capable of understanding and studying what is Quantum mechanics?
- CO3**-To help the students to know the basic concepts of General characteristics of bonding.
- CO4**-Students have the knowledge about the stereochemistry of organic Compound.

DSC & G.E Paper-II: - Chemical Energetics, Equilibria and Functional Organic Chemistry.

- CO1**-To help the students to learn the Important principles and definitions of Thermochemistry.
- CO2**-To make the students capable of understanding the Free energy change in a chemical reaction.
- CO3**-Students have the knowledge about the Strong, moderate and weak electrolytes.

DSC Paper-III: - Solutions, Phase Equilibria, Conductance, Electrochemistry and Functional group Organic chemistry.

- CO1**- Students can study the principles about the of ideal solutions.
- CO2**-To make the students capable of detecting of Phases, components and degrees of freedom of a system, criteria of phase equilibrium.
- CO3**-Students have the knowledge about reversible and irreversible cells.
- CO4**-Students have the knowledge about Classification, and General Properties of carbohydrates.

DSC Paper-IV: - Transition Metal and Coordination Chemistry, States of matter and chemical kinetics.

CO1-To make the students capable to understand the Coordination Chemistry. **CO2**-To help the students to study the details of Kinetic theory of gases.

CO3-To help the students to study about the stalagmometer, Ostwald viscometer.

CO4-To help the students to study the principles and process of X-Ray diffraction.

DSE Paper-I: - Inorganic materials of Industrial Importance.

CO1-To make the students capable to understand the fundamental concepts of Glass, Ceramic, Cements.

CO2-To help the students to gain the knowledge about Fertilizers.

DSE Paper-II: - Polymer Chemistry.

CO1-Help the students to know the basic knowledge about Polymer Chemistry.

CO2-To make students capable to determine the molecular weight of polymers.

SEC Paper-I: - Drugs and Pharmaceutical Chemistry.

CO1-To help the students to study the classification, Structure and drug discovery.

CO2-To give the students knowledge about the various vitamins, antibiotics.

SEC Paper-II: - Green Methods in Chemistry.

CO1-To give the students knowledge about the brief introduction of green chemistry, and also about green energy.