

## B.Sc. General in Chemistry

Course Code	Course Name	Course Outcome
CEMGCC01	DSC 1AT, DSC1AP	Detail knowledge of atomic Structure, Bonding, general organic chemistry & aliphatic hydrocarbons. Practically gravimetric estimation of metal ions and identification of organic functional group.
CEMGCC02	DSC1BT, DSC1BP	A detail knowledge about chemical energy, ionic equilibria, chemical equilibria and all aromatic hydrocarbons. Practical knowledge about the determination of different enthalpy and heat capacity.
CEMGCC03	DSC1CT, DSC1CP	A detail knowledge about solution chemistry, phase equilibria, conductance and electro chemistry. A conceptual idea about different bio organic compounds. Practical knowledge about the potentiometric and conductometric titration and a practical knowledge related to bioorganic compounds.
CEMGCC04	DSC1DT, DSC1DP	A vast knowledge about coordination chemistry, VBT, CFT, solid, liquid and kinetic theory of gas. Practical knowledge about cation and anion radical detection, and use spectroscopic methods related to the metal complexes.
CEMGSE01	SEC 1T, SEC1P.	A basic idea about the analysis methods of soil, water food and a concept about ion exchange and chromatography. Practical knowledge of food analysis and separation of compounds by TLC and ion exchange.
CEMGSE02	SEC 2T	Basic understanding of the structures, properties and functions of carbohydrates, lipids and proteins and related practical knowledge
CEMGSE03	SEC3T, SEC3P	conceptual knowledge about Drugs & Pharmaceutical chemistry and a practical knowledge related to this
CEMGSE04	SEC4T	A basic knowledge about fuel chemistry.
CEMGDSE01	DSE 1T, DSE 1P	conceptual idea about different spectroscopic techniques like IR, NMR, UV, thermal analysis, electro analytic methods, and some separating techniques of organic compounds. In practical separation of metal ions, and organic compounds by TLC, detection of pH and exchange capacity of ions.
CEMGDSE02	DSE 2T, DSE 2P	A vast knowledge about the application of computer in chemistry. Practical knowledge about the programming of chemical equation.