

Program Specific Outcome

- After studying M.Sc. Chemistry students may like job in different fields or go for higher studies.
- They may appear in NET, SET examination for getting job in college as they became eligible to appear in college P.S. C., Railway, CSEB etc.
- They may appear in competition exam for Shift Chemist services, fertilizer Industry etc.
- They may get job in higher secondary school after completion of B.Ed. exam.

Course Outcomes

M.Sc. Chemistry

The Study of M.Sc. Chemistry I & II Semester the students will be able to.

- Acknowledge the concept of theory and practical's of inorganic chemistry, organic chemistry, physical chemistry and spectroscopy.
- Understanding definition of inorganic, organic chemistry, physical chemistry and related terminology.
- Students will be having a firm foundation and the application of organic chemistry, physical chemistry and curriculum syllabus.
- Knowledge and skills about titration qualitative analysis, organic synthesis, quantitative analysis, Estimation instrumentation and basic computers.
- Students achieved advanced knowledge about the spectroscopy.
- Develop research temper and scientific aptitude.
- Students' awareness the concept of analytical chemistry.
- Students present seminar on various topic. It enhances the teaching and learning process.
- Curiosity about the chemistry related practical.
- Wide knowledge of types of chemistry its branches and used in our daily life.
- Students able to identify the organic compound.
- Development of students' personality.

Course Outcomes

M.Sc. Chemistry

The Study of M.Sc. Chemistry III & IV Semester the students will be able to.

- Knowledge of uses of spectroscopy NMR. UV, IR, FTIR, C^B NMR, ISR, mass spectroscopy, photochemistry etc.
- Students' knowledge gain about metal ions in biological system bioinorganic and bio organic chemistry.
- Structure and function of haemoglobin, myoglobin, haemocyanin nitrogen synthesis.
- Understanding the basic concept of the enzymes and its uses its working principles.
- Students determine the fundamentals of organotransition metal chemistry.
- Idea about basics of photoinorganic chemistry, ligand redox reaction metal complexes photochemistry.
- Students understanding about the physical organic chemistry molecular orbital theory solvent effect solvation ,principles of reactivity ,nucleophilic and electrophilic reactivity ,various types of steric strain and their influence of reactivity.
- Knowledge of chemistry of heterocyclic compounds.
- Students the recognition about advanced quantum chemistry, solid state chemistry, biophysical and biochemistry.
- Students capable to idea about research temper ,concept of analytical chemistry ,medicinal chemistry ,drug design, Pharmacokinetics, antineoplastic agent, local anti infective drug, cardiovascular drug.
- Understanding the chemistry of natural product alkaloids steroids, hormones, plant pigment and porphyrine.
- Knowledge about practical inorganic, organic, chemistry, quantitative analysis, extraction of natural products, paper chromatography, spectroscopy.
- Develop research aptitude.
- Students present seminar on various topic they inhance the knowledge of subject.
- Improve the personality of students.
- Knowledge about pollution and its types & there effect on living human & plants.