Program Outcomes
B. Sc Part–II Chemistry
(Semester-III)

Department of Chemistry	After successful completion of three-year degree program in Chemistry a student should be able to;
Program Outcomes	**PO-1:** Showcase, solve, and comprehend key ideas in all chemistry-related fields. **PO-2**: Find a solution to the issue and come to a logical conclusion by applying methodical, autonomous thought. **PO-3:** Plan, execute, document, and evaluate chemical reactions using critical thinking and scientific knowledge. **PO-4:** Raise public understanding of how chemistry affects society, the environment, and development in areas other than science. **PO 5**. Investigate environmentally friendly chemical reaction pathways for sustainable growth. **PO-6:** To instil in students and those outside of the scientific community a spirit of science. **PO-7.** Make use of contemporary methods, high-quality tools, and Chemistry software
Programme Specific Outcomes	**PSO-1:** Learn Chemistry by doing both theory and practicals. **PSO-2:** To describe the chemical reactions' nomenclature, stereochemistry, structures, reactivity, and mechanism. **PSO-3:** Recognize chemical formulae and work through numerical issues. **PSO-4:** Make use of equipment, models, chem-draw, charts, and contemporary chemical instruments. **PSO-5:** Understand the link between structure and activity. **PSO-6:** Recognize safety and appropriate laboratory techniques. **PSO-7:** Gain talents focused on research. **PSO-8:** Recognize and use the advanced instruments and equipment

Course Outcomes B. Sc Chemistry **Semester-III**	
Course Outcomes	After completion of these courses' students should be able to;
CH- 5. Organic Chemistry	**CO-1:** Explain bases and organic acids. **CO-2:** Differentiate between optical and geometric isomerism. **CO-3:** Talk about the stereochemistry, kinetics, and mechanism of the SN1 and SN2 reactions. **CO-4:** Examine and contrast the E1 and E2 reactions. **CO-5:** Recognize the mechanisms, reactivity, and supporting data for several substitution and elimination processes.
CH- 6. Analytical Chemistry	**CO-1:** Be familiar with the solubility product and typical ion effect concepts. **CO-2:** Learn about thermogravimetric analysis techniques. **CO-3:** Recognize how a complex forms. **CO-4:** Examine the titrations using conductometry. **CO-5:** Analysis of fertilizers

Course Outcomes **B. Sc Chemistry** **Semester-IV**	
CH-7. Physical Chemistry	**CO-1:** Recognize Kohlrausch's law and how to apply it. **CO-2:** Entropy Concept **CO-3:** Examine the third-order reaction equation. **CO-4:** Determine the EMF and solve the cell reaction. **CO-5:** The liquid's physical characteristics. **CO-6:** Determine the specific and molar refractivity
CH-8. Inorganic Chemistry	**CO-1:** Examine the actinide and lanthanide electrical configurations. **CO-2:** Learn about the magnetic nature of things. **CO-3:** Recognize the various functions of stoichiometric molecules. **CO-4:** Examine the Chelation Agent Classification. **CO-5:** Recognize the chemical composition and base-acid interactions in non-aqueous solvents