

COURSE OBJECTIVES AND COURSE OUTCOMES

F. Y. B. Sc. SEMESTER - I

SUBJECT: CHEMISTRY PRACTICAL

Sr. No.	Course Objectives	Course Outcomes
1)	To determine the rate constant of ester hydrolysis	Students will get to study the practical aspects of chemical kinetics
2)	To determine the enthalpy of dissolution of salts	The student will be able to understand the practical applications of enthalpy in real-life examples of enthalpy
3)	To study percentage purity of inorganic mixtures	Learners are able to detect the percentage purity of the given sample, will also learn to use an analytical balance
4)	To study qualitative analysis of inorganic mixtures	Students will independently be able to identify two anions and two cations in the given mixture
5)	To learn methods of separation and purification	The learner will gain hands-on experience in techniques of crystallization and chromatography

F. Y. B. Sc. SEMESTER - II

SUBJECT: CHEMISTRY PRACTICAL

Sr. No.	Course Objectives	Course Outcomes
1)	To expose students to the practical applications of various instruments	The learner will get hands-on training in handling pH meter, to measure pH of buffer solutions and colorimeter to determine the concentration of the analyte
2)	To study the characterization of organic compounds	This will enable students to apply their theory knowledge for the identification of organic compounds
3)	To study qualitative analysis of inorganic mixtures	Students will independently be able to identify two anions and two cations in the given mixture
4)	To estimate Cu (II) by redox titration method	The learner will understand the different titration methods that can be used for the analysis of copper ions and will also learn the basic principle of Iodometry
5)	To study the material safety data	The learner is acquainted with safety standards of the chemicals and thus is prepared to take up challenges after joining the industry or a chemical laboratory