

COURSE OBJECTIVES AND COURSE OUTCOMES

T. Y. B. Sc. SEMESTER - V

SUBJECT: CHEMISTRY PAPER - I (USCH501)

Sr. No.	Course Objectives	Course Outcomes
1)	To introduce students to the basic concepts of molecular spectroscopy	Students will develop the ability to interpret spectral data for structural elucidation
2)	To learn theory and applications of chemical kinetics	The students will be exposed to the practical applications of chemical kinetics
3)	To expose students to advanced aspects of chemical thermodynamics	Students will be able to independently tackle the numerical problem
4)	To get comprehensive information about nuclear chemistry	Learners will develop strong base to understand nuclear reaction and applications of radioisotopes
5)	To get insight into surface chemistry	The learner will be able to comprehend colloidal state

T. Y. B. Sc. SEMESTER - VI

SUBJECT: CHEMISTRY PAPER - I (USCH601)

Sr. No.	Course Objectives	Course Outcomes
1)	To introduce students to the basic concepts of electrochemistry	Students will get insight into basic concepts of electrochemistry and its applications
2)	To get comprehensive information about renewable sources of energy	Students will learn about practical applications of solar energy and hydrogen as fuel
3)	To get comprehensive information about polymers	They will get insight into the structure, properties and applications of polymers
4)	To learn the basics of quantum chemistry	They will get exposed to concepts like classical mechanics, quantum mechanics, progressive and standing waves etc.
5)	To get insight into PMR and ESR spectroscopy	They will develop the ability to interpret spectral data for structural elucidation