

## COURSE OBJECTIVES AND COURSE OUTCOMES

### S. Y. B. Sc. SEMESTER - III

#### SUBJECT: CHEMISTRY PAPER - II (USCH302)

Sr. No.	Course Objectives	Course Outcomes
1)	To introduce students to the basic concepts of chemical Kinetics	To introduce students to the basic concepts of chemical Kinetics
2)	To learn thermodynamics of ideal solution	They will gain knowledge about partial miscibility and immiscibility of liquids
3)	To learn about electron deficient compounds	Students will develop a strong base to understand chemical bonding
4)	To introduce students to the trends in properties shown by elements of Group 13,14 and 15	Learner will get clear understanding about periodicity and will get comprehensive information about p block elements
5)	To get comprehensive information about carbonyl compounds	Students will be able to comprehend various chemical transformation  Students will be exposed to various reaction mechanisms

## COURSE OBJECTIVES AND COURSE OUTCOMES

### S. Y. B. Sc. SEMESTER - IV

#### SUBJECT: CHEMISTRY PAPER - II (USCH402)

Sr. No.	Course Objectives	Course Outcomes
1)	To expose students to the field of crystallography	They will be exposed to the practical applications of crystallography
2)	To get an insight into catalysis	The learner will get insight into the different types of catalysts and their mode of working
3)	To study properties of ions in aqueous medium	They will be able to apply their knowledge into various quantitative studies
4)	To get information about environmental aspects of volatile oxides and oxiacids	Learner will understand the preparation and properties of hydrides and oxides of nitrogen and will be made more aware of the effects of various volatile chemicals on environment
5)	To study preparation and properties of amines, diazonium salts and heterocyclic compounds	Students will be able to comprehend various chemical transformation They will get insight into synthetic applications of diazonium salts and will be exposed to various reaction mechanisms