

## COURSE OBJECTIVES AND COURSE OUTCOMES

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

#### SUBJECT: CHEMISTRY PAPER - I (USCH301)

Sr. No.	Course Objectives	Course Outcomes
1)	To introduce students to the basic concepts of chemical thermodynamics	Students will get insight into basic concepts of thermodynamics
2)	To learn the theory and applications of electrochemistry.	They will gain knowledge about different types of cells and electrodes
3)	To introduce students to the field of molecular orbital theory	Students will develop a strong base to understand chemical bonding
4)	To get insight into directional and non-directional bonding	Students will be able to correlate electronic configuration to bonding and reactivity
5)	To understand the preparation and properties of halogenated and oxygenated hydrocarbons	Students will be able to comprehend the various chemical transformation

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

#### SUBJECT: CHEMISTRY PAPER - I (USCH401)

Sr. No.	Course Objectives	Course Outcomes
1)	To learn the theory and applications of electrochemistry	They will gain knowledge about different types of cells and electrodes
2)	To expose students to theory and applications phase equilibria	They will be able to apply their knowledge into various quantitative studies
3)	To introduce students to the trends in properties shown by transition elements	They will get a clear understanding about periodicity
4)	To expose students to the field of coordination chemistry	Learners will gain comprehensive information about coordination complexes, their bonding and geometry
5)	To get comprehensive information about carboxylic and sulphonic acids	Students will be able to comprehend various chemical transformation and various reaction mechanisms