COURSE OBJECTIVES AND COURSE OUTCOMES

T. Y. B. Sc. SEMESTER - V

SUBJECT: CHEMISTRY PAPER - II (USCH502)

Sr. No.	Course Objectives	Course Outcomes
1)	To introduce students to the basic concepts of molecular symmetry	Students will get insight into basic concepts of symmetry elements and symmetry operations
2)	To learn theory and applications of molecular orbital theory	They will be exposed to the applications of MOT to heteronuclear diatomic and polyatomic molecules
3)	To introduce students to the trends in properties shown by elements of group 16 and 17	They will get a clear understanding about periodicity. Students will be able to corelate electronic configuration to bonding and reactivity
4)	To expose students to the field of solid state chemistry	Learners will get comprehensive information about solid state chemistry its scope and applications
5)	To get insight into superconductivity	They will get insight into the recent developments in the field of superconductivity

T. Y. B. Sc. SEMESTER - VI

SUBJECT: CHEMISTRY PAPER - II (USCH602)

Sr. No.	Course Objectives	Course Outcomes
1)	To learn about Valence Bond Theory	The learner will get insight into the significance, applications and limitations of VBT
2)	To study metal-ligand bonds	Students will develop a strong base to understand metal-ligand bonding
3)	To expose students to VSEPR theory	They will get adequate knowledge about bonding, geometry, stability and structure by application of VSEPR theory
4)	To understand the chemistry of organometallic compounds and catalysis	Students will be able to comprehend various theories of catalysis
5)	To get comprehensive information about bio-inorganic chemistry	The learner will be exposed to the field of bio-inorganic chemistry and the significance of bio-inorganic compounds