

Programme: Master of Science Chemistry (MSCCH20)

Year / Semester: IInd semester

Paper Code: MCH 506

Paper Name: Inorganic Chemistry- II

Syllabus

BLOCK III: REACTION MECHANISMS OF TRANSITION METAL COMPLEXES

Unit 11: Labile and Inert Complexes

Unit 12: Substitution Reaction Mechanisms of Octahedral complexes

Unit 13: Substitution Reaction Mechanisms of Square Planar complexes

Unit 14: Electron Transfer Reaction Mechanisms

Unit 15: Reaction Mechanisms of Organometallic Compounds

BLOCK IV:

Unit 16: Stability constants of Metal Complexes and Factors Influencing Stability

Unit 17: Methods of Determination of Stability Constants

Unit 18: Ligational aspects of Diatomic Molecules

Unit 19: Metal Clusters

Unit 20: Coordination Chemistry of Metal Ions in Biomolecules