

Paper : II CHN-602-(I) Inorganic Chemistry

Unit :- 1

© Bio-inorganic Chemistry :-

Introduction, The Biochemistry of iron, Iron Storage and Transport. Haemoglobin and Myoglobin, Cytochromes. Other Iron-porphyrin Biomolecules, other Natural oxygen Carriers, Iron-Sulfur Proteins.

Unit :- 2

© The Biochemistry of :

Zinc, Copper, Cobalt, Molybdenum and Tungsten Miscellaneous Other Elements : Vanadium, Chromium, Nickel.

Unit :- 3

© Organometallic compounds & metal complexes as catalyst in Homogeneous & Heterogeneous Systems : Oxidative-addition, Reductive elimination. Migration (insertion) reactions, Hydroformylation, Hydrogenation, Carboxylation. Polymerization, Fisher-Trops process, water gas shift reaction.

Unit :- 4

© Chemistry of trans uranic elements :