

Paper : II CHN-702-(I) Inorganic Chemistry

Unit :- 1

© Inorganic Polymers :

Borazine or borazole, substituted borazines, boron nitride, silicones, poly phosphonitrilic chloride, poly ortho phosphoric acids. Boro phosphate glasses, nitride of sulphur, thiazyl halides, imides of sulphur.

Unit :-2

© Co-ordination Polymers :

Nature & reactions yielding co-ordination polymers Various uses of Inorganic Polymers.

Unit :- 3

© Stereo chemistry of unusual co-ordination number:

Definition, stoichiometry, stereo chemistry, establishment of structure by IR Spectra, bonding and electronic structure.

Unit :- 4

© Molecular Polyhedra :

Boron Hydrides & Higher boranes, three centre bonds, basic assumptions, three centre orbitals in known structures the equation of balance, topological theory & its applications.