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Annexure 3

Syllabus for Written Test

- (1) Atomic Structure, Physical and Chemical Equilibrium, Chemical Kinetics, Surface and Interfaces and Thermodynamics
- (2) Main Group Chemistry, Solid state Chemistry, XRD, Spectroscopic techniques, Organometallic and Bioinorganic chemistry, Coordination chemistry
- (3) Heterocyclic Compounds, Pericyclic Reactions and Photochemistry, Biomolecules, Organic Synthesis, Reaction Mechanisms, Stereochemistry
- (4) Laboratory Techniques, General chemistry laboratory experiments and practices.