

Syllabus for M.Phil. in Chemistry

Total Credit: 8

Total Marks: 8 x 25 = 200

Semester: I

- a) Review of Research Work 1 Credit x 25 = 25
- b) Computer Applications 1 Credit x 25 = 25

Semester: II

- a) Research Methodology 1 Credit x 25 = 25
- b) Quantitative Methods / Introduction to Different Instruments 1 Credit x 25 = 25

Semester: III

2 Credits x 25 = 50

- a) Polymer Chemistry and Symmetry
- b) Spectroscopy and Host Guest Chemistry
- c) Physico-Chemical Aspects and Redox Properties of Coordination Compounds,
- d) Photochemistry of Inorganic Compounds and non-covalent interactions,
- e) Synthetic Organic Chemistry
- f) Green Chemistry & Catalysis

Semester: IV

2 Credits x 25 = 50

- a) Theoretical Chemistry
- a) Solution Thermodynamics
- b) Ionic Liquids and Organometallic Catalysis
- c) Inorganic Synthesis
- d) Natural Products Chemistry
- e) Synthesis and Application of Organic Polymers and Organometallic Compounds

HEAD
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