

Department of Chemistry

COURSE STRUCTURE

(Minimum Core/Creditives/Credits = 36/48)

FIRST SEMESTER (ODD SEMESTER)

Code No.	Title	Theory/Practical (Hrs/Weeks)	Total Marks	Credits
MSC 001 00001 (40)	Group Theory, Bonding and Metal-Ligand Interactions	4	100	4
MSC 001 00002 (40)	Bonding, Stereochemistry and Reaction Mechanisms (II)	4	100	4
MSC 001 00003 (40)	Basic Concepts of Physical Chemistry	4	100	4
MSC 001 00004 (40)	Inorganic Chemistry Lab	6	100	4
Departmental Elective	One or more courses to be selected from the elective basket for odd semesters	4	100	4
Open Elective (Inter-School or Inter-Departmental or 100 A/1 A/B)	One or more courses to be selected from the elective basket for odd semesters	4	100	4

SECOND SEMESTER (EVEN SEMESTER)

Code No.	Title	Theory/Practical (Hrs/Weeks)	Total Marks	Credits
MSC 001 00005 (40)	Photochemical and magnetic properties of complexes and nuclear chemistry	4	100	4
MSC 001 00006 (40)	Reaction Mechanisms (II), Polymer and Photochemical Reactions	4	100	4
MSC 001 00007 (40)	Quantum Mechanics and Statistical Thermodynamics	4	100	4
MSC 001 00008 (40)	Physical Chemistry Lab	6	100	4
Departmental Elective	Two or more courses to be selected from the elective basket for even semesters	4	100	4