
CONTENTS

Section-A

1. Atomic Structure.....	3–21
2. Chemical Periodicity.....	22–34
3. Chemical Bonding.....	35–60
4. Oxidation States and Oxidation Number.....	61–72
5. Acids and Bases.....	73–82
6. Chemistry of Elements.....	83–142
7. Extraction of Metals.....	143–149
8. Nuclear Chemistry.....	150–161
9. Coordination Compounds.....	162–189
10. Pollution and its Control.....	190–196

Section-B

1. Bonding and Shapes of Organic Molecules.....	199–211
2. Chemistry of Aliphatic Compounds.....	212–236
3. Stereochemistry of Carbon Compounds.....	237–259
4. Organometallic Compounds.....	260–266
5. Active Methylene Compounds.....	267–278
6. Chemistry of Aromatic Compounds.....	279–311
7. Chemistry of Biomolecules.....	312–328
8. Basic Principles of Applications of UV, Visible, IR and NMR Spectroscopy of Simple Organic Molecules.....	329–342

Section-C

1. Kinetic Theory of Gases and Gas Laws.....	345–360
2. Thermodynamics.....	361–377
3. Solutions and Colligative Properties.....	378–388
4. Phase Rule and its Applications.....	389–399
5. Chemical Equilibria.....	400–408
6. Electrochemistry.....	409–434
7. Chemical Kinetics.....	435–444
8. Photochemistry.....	445–448
9. Catalysis.....	449–453
10. Colloids.....	454–464
