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	
Section-B		
1.	Bonding and Shapes of Organic Molecules	199–211
2.	Chemistry of Aliphatic Compounds	
3.	Stereochemistry of Carbon Compounds	
4.	Organometallic Compounds	
5.	Active Methylene Compounds	267-278
6.	Chemistry of Aromatic Compounds	
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	
3.	Solutions and Colligative Properties	378–388
4.	Phase Rule and its Applications	
5.	Chemical Equilibria	
6.	Electrochemistry	409–434
7.	Chemical Kinetics	
8.	Photochemistry	
9.	Catalysis	
10.	Colloids	454–464