CONTENTS

1.	Some Basic Concepts of Chemistry	05
2.	Structure of Atom	14
3.	Classification of Elements and Periodicity in Properties	31
4.	Chemical Bonding and Molecular Structure	42
5.	Thermodynamics and Chemical Energetics	55
6.	Chemical and Ionic Equilibrium	66
7.	Redox reactions	85
8.	Organic Chemistry - Some Basic Principles and Techniques - Part I (Nomenclature and Isomerism in Organic Compounds)	91
9.	Organic Chemistry - Some Basic Principles and Techniques - Part II (Fundamental Concepts in Organic Reaction Mechanism)	104
10.	Organic Chemistry - Some Basic Principles and Techniques - Part III (Purification and Characterisation of Organic Compounds)	115
11.	Hydrocarbons	125
12.	Solutions	145
13.	Electrochemistry	162
14.	Chemical Kinetics	172
15.	The p-Block Elements (Groups 13 - 18)	188
16.	The d- and f-Block Elements	198
17.	Coordination Compounds	208
18.	Haloalkanes and Haloarenes	220
19.	Alcohols, Phenols and Ethers	238
20.	Aldehydes and Ketones	256
21.	Carboxylic Acids	276
22.	Amines	288
23.	Biomolecules	301
24.	Practical Chemistry	313
	Syllabus	323

Page 2 Blank