

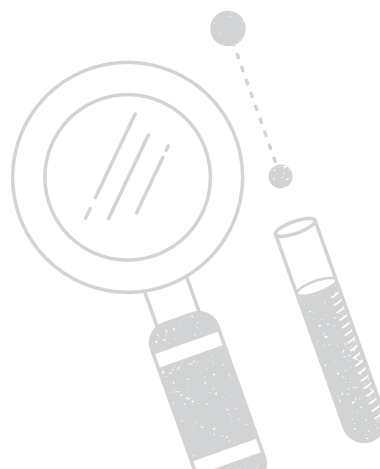
Contents

1. SOME BASIC CONCEPTS OF CHEMISTRY 1-34

NEET Key Notes with Trend Analysis	1-7
Step by Step Mastering NCERT	
Concept Builders	8
Topical Questions	
Development, Importance of Chemistry and Nature of Matter	9
Properties of Matter and Their Measurement	9
Uncertainty in Measurement	9-10
Laws of Chemical Combinations	10-11
Dalton's Atomic Theory, Atomic and Molecular Masses	11-12
Mole Concept, Molar Mass and Percentage Composition	12-13
Stoichiometry and Stoichiometric Calculations	13-15
Assertion-Reason Questions	15-16
Statement Type Questions	16-17
Matching Type Questions	17-18
Numerical Value Questions	18
NCERT Exemplar's Questions	18-19
Past Exams' Questions	20-21
Skill Boosters	21
Decoding the Questions	23-34

2. STRUCTURE OF ATOM 35-69

NEET Key Notes with Trend Analysis	35-44
Step by Step Mastering NCERT	
Concept Builders	45
Topical Questions	
Discovery of Subatomic Particles	46-47
Atomic Models	47-48
Development Leading to the Bohr's Model of Atom	48-50
Bohr's Model for Hydrogen Atom	50-51
Towards Quantum Mechanical Model of Atom	51-52
Quantum Mechanical Model of Atom	52-54

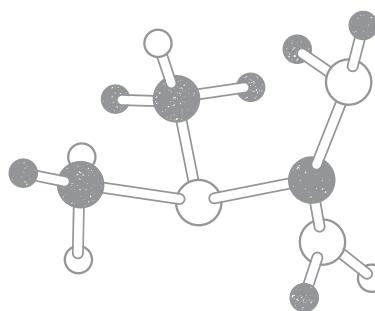




Assertion-Reason Questions	54
Statement Type Questions	55
Matching Type Questions	56
Numerical Value Questions	57
NCERT Exemplar's Questions	57
Past Exams' Questions	58-60
Skill Boosters	60
Decoding the Questions	62-69

3. CLASSIFICATION OF ELEMENTS & PERIODICITY IN PROPERTIES 70-100

NEET Key Notes with Trend Analysis	70-78
Step by Step Mastering NCERT	
Concept Builders	79
Topical Questions	
Why do we Need to Classify Elements?	80
Genesis of Periodic Classification	80
Modern Periodic Law and the Present form of the Periodic Table	80-81
Nomenclature of Elements with Atomic Numbers > 100	81
Electronic Configuration of Elements and the Periodic Table	81
Electronic Configurations of Elements and their Types of Elements : <i>s</i> , <i>p</i> , <i>d</i> , and <i>f</i> -Blocks	81-82
Periodic Trends in Properties of Elements	82-86
Assertion-Reason Questions	86-87
Statement Type Questions	87-88
Matching Type Questions	88-89
Numerical Value Questions	89
NCERT Exemplar's Questions	89-90
Past Exams' Questions	91-92
Skill Boosters	92-93
Decoding the Questions	95-100



4. CHEMICAL BONDING AND MOLECULAR STRUCTURE

101-134

NEET Key Notes with Trend Analysis

101-110

Step by Step Mastering NCERT

Concept Builders

111

Topical Questions

Kossel-Lewis Approach to Chemical Bonding

112-113

Bond Parameters

113-114

The Valence Shell Electron Pair Repulsion VSEPR Theory

114-115

Valence Bond Theory and Hybridisation

115-117

Molecular Orbital Theory

117-118

Hydrogen Bonding

118

Assertion-Reason Questions

119

Statement Type Questions

119-120

Matching Type Questions

121

Numerical Value Questions

121

NCERT Exemplar's Questions

122-123

Past Exams' Questions

123-124

Skill Boosters

125

Decoding the Questions

127-134

5. THERMODYNAMICS

135-170

NEET Key Notes with Trend Analysis

135-142

Step by Step Mastering NCERT

Concept Builders

143

Topical Questions

Thermodynamics Terms

144

Applications

144-146

Measurement of ΔU and ΔH : Calorimetry

146

Enthalpy Change, $\Delta_r H$ of a Reaction-Reaction Enthalpy

146-148

Enthalpies for Different Types of Reactions

148-149

Spontaneity

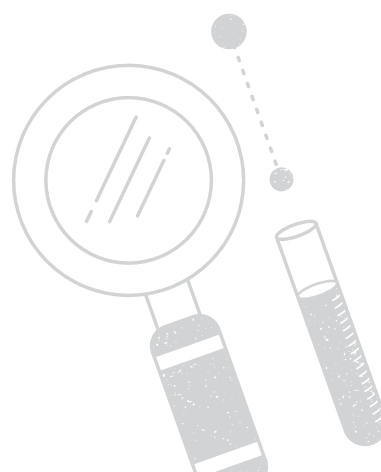
149-151

Gibbs Energy Change and Equilibrium

151

Assertion-Reason Questions

152



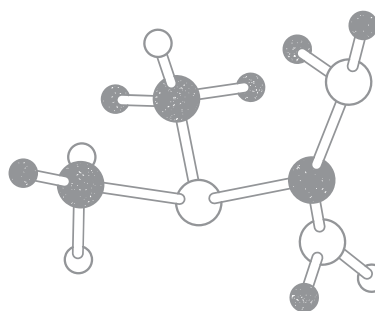


Statement Type Questions	152-153
Matching Type Questions	154
Numerical Value Questions	155
NCERT Exemplar's Questions	155-156
Past Exams' Questions	157-158
Skill Boosters	159
Decoding the Questions	161-170

6. EQUILIBRIUM

171-210

NEET Key Notes with Trend Analysis	171-180
Step by Step Mastering NCERT	
Concept Builders	181
Topical Questions	
Equilibrium in Physical and Chemical Process alongwith Dynamic Equilibrium	182-183
Law of Chemical Equilibrium and Equilibrium Constant	183-184
Homogeneous and Heterogeneous Equilibria with its Applications	184-185
Relationship Between K , Q and G with Factors Affecting Equilibria	185-186
Ionic Equilibrium and Concepts of Acids, Bases and Salts	186-187
Ionisation of Acids and Bases	187-188
Buffer Solutions	188
Solubility Equilibria of Sparingly Soluble Salts	189
Assertion-Reason Questions	190
Statement Type Questions	190-191
Matching Type Questions	192
Numerical Value Questions	193
NCERT Exemplar's Questions	193-194
Past Exams' Questions	194-196
Skill Boosters	197
Decoding the Questions	199-210





7. REDOX REACTIONS

211-238

NEET Key Notes with Trend Analysis

211-216

Step by Step Mastering NCERT

Concept Builders

217

Topical Questions

Classical Idea of Redox Reactions

218

Redox Reactions in Terms of Electron Transfer Reactions

218

Oxidation Number

218-222

Redox Reactions and Electrode Processes

222-223

Assertion-Reason Questions

224

Statement Type Questions

224-225

Matching Type Questions

225-226

Numerical Value Questions

226

NCERT Exemplar's Questions

227

Past Exams' Questions

228-229

Skill Boosters

229

Decoding the Questions

231-238

8. ORGANIC CHEMISTRY : SOME BASIC PRINCIPLES AND TECHNIQUES

239-276

NEET Key Notes with Trend Analysis

239-249

Step by Step Mastering NCERT

Concept Builders

250

Topical Questions

General Introduction and Tetravalence of Carbon

251

Structural Representations and Classification of Organic Compounds

251-252

Nomenclature of Organic Compounds

252-254

Isomerism

254-255

Fundamental Concepts in Organic Reaction Mechanism

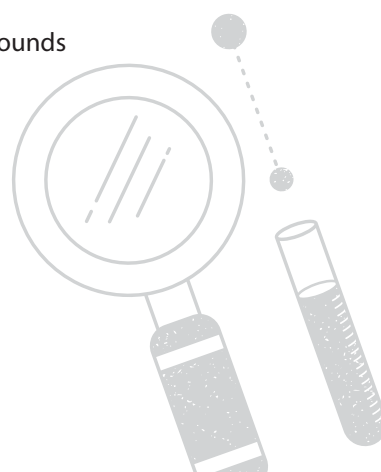
255-256

Methods of Purification of Organic Compounds

256-258

Qualitative and Quantitative : Analysis of Organic Compounds

258-259





Assertion-Reason Questions	259
Statement Type Questions	260-261
Matching Type Questions	261-262
Numerical Value Questions	262
NCERT Exemplar's Questions	262-263
Past Exams' Questions	264-265
Skill Boosters	265-266
Decoding the Questions	268-276

9. HYDROCARBONS

277-318

NEET Key Notes with Trend Analysis	277-285
Step by Step Mastering NCERT	
Concept Builders	286
Topical Questions	
Classification	287
Alkanes	287-289
Alkenes	289-291
Alkynes	291-292
Aromatic Hydrocarbons and Carcinogenicity	292-295
Carcinogenicity and Toxicity	295
Assertion-Reason Questions	295-296
Statement Type Questions	296-297
Matching Type Questions	297-298
Numerical Value Questions	298
NCERT Exemplar's Questions	298-300
Past Exams' Questions	300-302
Skill Boosters	302-302
Decoding the Questions	305-318

Chapter at a Glance (1-9)

1-16

