

Contents

1. SOLUTIONS 1-34

NEET Key Notes with Trend Analysis	1-7
Step by Step Mastering NCERT	
Concept Builders	8
Topical Questions	
• Types and Expressing Concentration of Solutions	9-10
• Solubility	10-11
• Vapour Pressure of Liquid Solutions	11-12
• Ideal and Non-Ideal Solutions	12
• Colligative Properties and Determination of Molar Mass	13-15
• Abnormal Molar Masses	15-16
Assertion-Reason Questions	16-17
Statement Type Questions	17-18
Matching Type Questions	18-19
Numerical Value Questions	19
NCERT Exemplar's Questions	19-21
Past Exams' Questions	21-23
Skill Boosters	23-24
Decoding the Questions	25-34

2. ELECTROCHEMISTRY 35-71

NEET Key Notes with Trend Analysis	35-42
Step by Step Mastering NCERT	
Concept Builders	43
Topical Questions	
• Electrochemical Cells and Galvanic Cells	44-46
• Nernst Equation	46-47
• Conductance of Electrolytic Solutions	47-49
• Electrolytic Cells and Electrolysis	49-50
• Batteries, Fuel Cells and Corrosion	50-52
Assertion-Reason Questions	52
Statement Type Questions	53
Matching Type Questions	54
Numerical Value Questions	55
NCERT Exemplar's Questions	55-56
Past Exams' Questions	56-58
Skill Boosters	59
Decoding the Questions	61-71

3. CHEMICAL KINETICS	72-106
NEET Key Notes with Trend Analysis	72-76
Step by Step Mastering NCERT	
Concept Builders	77
Topical Questions	
• Rate of a Chemical Reaction	78-79
• Factors Influencing Rate of Reaction	79-80
• Integrated Rate Equations	80-82
• Temperature Dependence of the Rate of a Reaction	82-85
• Collision Theory of Chemical Reaction	85
Assertion-Reason Questions	86-87
Statement Type Questions	87-88
Matching Type Questions	88-89
Numerical Value Questions	89
NCERT Exemplar's Questions	89-91
Past Exams' Questions	92-94
Skill Boosters	94-95
Decoding the Questions	96-106

4. THE <i>d</i>-AND <i>f</i>-BLOCK ELEMENTS	107-139
NEET Key Notes with Trend Analysis	107-115
Step by Step Mastering NCERT	
Concept Builders	116
Topical Questions	
• Introduction and Properties of <i>d</i> -Block Elements	117-119
• Some Important Compounds of Transition Elements	119-121
• The Lanthanoids	121-122
• The Actinoids	122-123
• Some Applications of <i>d</i> - and <i>f</i> -Block Elements	123
Assertion-Reason Questions	123-124
Statement Type Questions	124-125
Matching Type Questions	126
Numerical Value Questions	127
NCERT Exemplar's Questions	127-128
Past Exams' Questions	128-131
Skill Boosters	131-132
Decoding the Questions	133-139

5. COORDINATION COMPOUNDS	140-170
NEET Key Notes with Trend Analysis	140-147
Step by Step Mastering NCERT	
Concept Builders	148
Topical Questions	
• Werner's Theory of Coordination Compounds	149
• Important Terms Pertaining to Coordination Compounds	149-150
• Nomenclature of Coordination Compounds	150-152
• Isomerism in Coordination Compounds	152
• Bonding in Coordination Compounds	153-155
• Bonding in Metal Carbonyls	155
• Importance and Applications of Coordination Compounds	155
Assertion-Reason Questions	156
Statement Type Questions	156-157
Matching Type Questions	157-158
Numerical Value Questions	158
NCERT Exemplar's Questions	158-159
Past Exams' Questions	159-161
Skill Boosters	161-162
Decoding the Questions	164-170
<hr/>	
6. HALOALKANES AND HALOARENES	171-209
NEET Key Notes with Trend Analysis	171-179
Step by Step Mastering NCERT	
Concept Builders	180
Topical Questions	
• Classification, Nomenclature and Nature of C—X Bond	181-182
• Methods of Preparation of Haloalkanes and Haloarenes	182-183
• Physical Properties	183
• Chemical Reactions	183-188
• Polyhalogen Compounds	188-189
Assertion-Reason Questions	189-190
Statement Type Questions	190-191
Matching Type Questions	191-192
Numerical Value Questions	193
NCERT Exemplar's Questions	193-196
Past Exams' Questions	196-199
Skill Boosters	199-200
Decoding the Questions	201-209

7. ALCOHOLS, PHENOLS AND ETHERS 210-250

NEET Key Notes with Trend Analysis	210-220
Step by Step Mastering NCERT	
Concept Builders	221
Topical Questions	
• Classification, Nomenclature and Structure of Alcohols and Phenols and Ethers	222-223
• Alcohols and Phenols	223-228
• Some Commercially Important Alcohols	228-229
• Ethers	229-230
Assertion-Reason Questions	231
Statement Type Questions	231-232
Matching Type Questions	233
Numerical Value Questions	234
NCERT Exemplar's Questions	234-236
Past Exams' Questions	236-239
Skill Boosters	239-240
Decoding the Questions	241-250

8. ALDEHYDES, KETONES AND CARBOXYLIC ACIDS 251-292

NEET Key Notes with Trend Analysis	251-261
Step by Step Mastering NCERT	
Concept Builders	262
Topical Questions	
• Nomenclature and Structure of Carbonyl Group	263
• Preparation of Aldehydes and Ketones	263-264
• Properties and Uses of Aldehydes and Ketones	265-269
• Nomenclature, Structure and Preparation of Carboxylic Acids	269-270
• Properties and Uses of Carboxylic Acids	270-272
Assertion-Reason Questions	272-273
Statement Type Questions	273-274
Matching Type Questions	274-275
Numerical Value Questions	275-276
NCERT Exemplar's Questions	276-277
Past Exams' Questions	278-280
Skill Boosters	281-282
Decoding the Questions	283-292

9. AMINES

293-326

NEET Key Notes with Trend Analysis	293-298
Step by Step Mastering NCERT	
Concept Builders	299
Topical Questions	
• Structure, Classification and Nomenclature of Amines	300
• Preparation of Amines	300-302
• Physical Properties and Chemical Reactions of Amines	302-305
• Methods of Preparation of Diazonium Salts	305-306
• Physical Properties and Chemical Reactions of Diazonium Salts	306-308
• Importance of Diazonium Salt	308
Assertion-Reason Questions	309
Statement Type Questions	309-310
Matching Type Questions	311
Numerical Value Questions	312
NCERT Exemplar's Questions	312-314
Past Exams' Questions	314-316
Skill Boosters	317
Decoding the Questions	319-326

10. BIOMOLECULES

327-361

NEET Key Notes with Trend Analysis	327-336
Step by Step Mastering NCERT	
Concept Builders	337
Topical Questions	
• Carbohydrates	338-341
• Proteins	341-342
• Enzymes and Vitamins	342-343
• Nucleic Acids	343-344
• Hormones	344-345
Assertion-Reason Questions	345-346
Statement Type Questions	346-347
Matching Type Questions	347-348
Numerical Value Questions	348
NCERT Exemplar's Questions	349-351
Past Exams' Questions	351-353
Skill Boosters	353-354
Decoding the Questions	355-361

11. p-BLOCK ELEMENTS	362-405
NEET Key Notes with Trend Analysis	362-376
Step by Step Mastering NCERT	
Concept Builders	377
Topical Questions	
• Introduction	378
• Group-13 Elements : The Boron Family	378-380
• Group-14 Elements : The Carbon Family	380-382
• Group-15 Elements	382-383
• Elements of Group-16	383-384
• Elements of Group-17	384-385
• Elements of Group-18	385
Assertion-Reason Questions	385-386
Statement Type Questions	387
Matching Type Questions	388-389
Numerical Value Questions	389
NCERT Exemplar's Questions	389-390
Past Exams' Questions	390-393
Skill Boosters	393-394
Decoding the Questions	395-405
<hr/>	
12. PRINCIPLES RELATED TO PRACTICAL CHEMISTRY	406-446
NEET Key Notes with Trend Analysis	406-425
Step by Step Mastering NCERT	
Concept Builders	426
Topical Questions	
• Organic Chemistry Related Principles	427-429
• Physical Chemistry Related Principles	429-431
• Inorganic Chemistry Related Principles	431-433
Assertion-Reason Questions	433-434
Statement Type Questions	434-435
Matching Type Questions	435-436
Numerical Value Questions	436
Past Exams' Questions	436-438
Skill Boosters	438-439
Decoding the Questions	440-446
Chapter at a Glance (1-16)	1-16