

# Contents

## 1. THE LIVING WORLD 1-22

<b>NEET Key Notes with Trend Analysis</b>	1-4
<b>Chapter at a Glance</b>	5
<b>Step by Step Mastering NCERT</b>	
Concept Builders	6
Topical Questions	
• What is Living ?	7-8
• Diversity in Living World	8-10
• Taxonomic Categories	10-13
Assertion-Reason Questions	13-14
Statement Type Questions	14-15
Matching Type Questions	16
NCERT Exemplar's Questions	16
Past Exams' Questions	17
Skill Boosters	18
<b>Decoding the Questions</b>	19-22

## 2. BIOLOGICAL CLASSIFICATION 23-56

<b>NEET Key Notes with Trend Analysis</b>	23-31
<b>Chapter at a Glance</b>	32-33
<b>Step by Step Mastering NCERT</b>	
Concept Builders	34
Topical Questions	
• Introduction and Kingdom–Monera	35-37
• Kingdom–Protista	37-39
• Kingdom–Fungi	39-41
• Kingdom–Plantae and Animalia	41
• Viruses, Viroids, Prions and Lichens	42-43
Assertion-Reason Questions	43
Statement Type Questions	44
Matching Type Questions	45-46
NCERT Exemplar's Questions	46
Past Exams' Questions	47-48
Skill Boosters	49-50
<b>Decoding the Questions</b>	51-56

## 3. PLANT KINGDOM 57-92

<b>NEET Key Notes with Trend Analysis</b>	57-63
<b>Chapter at a Glance</b>	64-65
<b>Step by Step Mastering NCERT</b>	
Concept Builders	66-67

Topical Questions	
• Introduction	67-68
• Algae	68-71
• Bryophytes	71-73
• Pteridophytes	74-75
• Gymnosperms	75-76
• Angiosperms	76
Assertion-Reason Questions	77
Statement Type Questions	78-79
Matching Type Questions	79-80
NCERT Exemplar's Questions	80
Past Exams' Questions	81-83
Skill Boosters	83-84
<b>Decoding the Questions</b>	85-92

## 4. ANIMAL KINGDOM 93-131

<b>NEET Key Notes with Trend Analysis</b>	93-103
<b>Chapter at a Glance</b>	104-105
<b>Step by Step Mastering NCERT</b>	
Concept Builders	106
Topical Questions	
• Basis of Classification	107-109
• Classification of Animals - Porifera to Aschelminthes	109-111
• Classification of Animals - Annelida to Hemichordata	111-113
• Classification of Animals - Chordata	113-116
Assertion-Reason Questions	116-117
Statement Type Questions	117-118
Matching Type Questions	119-121
NCERT Exemplar's Questions	121-122
Past Exams' Questions	122-124
Skill Boosters	124-125
<b>Decoding the Questions</b>	126-131

## 5. MORPHOLOGY OF FLOWERING PLANTS 132-173

<b>NEET Key Notes with Trend Analysis</b>	132-143
<b>Chapter at a Glance</b>	144-145
<b>Step by Step Mastering NCERT</b>	
Concept Builders	146-147
Topical Questions	
• The Root	147-148
• The Stem	148-149

• The Leaf	149-151
• Inflorescence and The Flower	151-153
• Fruit and Seed	153-154
• Semi-Technical Description of a Typical Flowering Plant	154-155
• Description of Some Important Families	155-157
Assertion-Reason Questions	157-158
Statement Type Questions	158-159
Matching Type Questions	160-161
NCERT Exemplar's Questions	161-162
Past Exams' Questions	162-164
Skill Boosters	164-166
<b>Decoding the Questions</b>	167-173

## 6. ANATOMY OF FLOWERING PLANTS 174-212

<b>NEET Key Notes with Trend Analysis</b>	174-183
<b>Chapter at a Glance</b>	184-185
<b>Step by Step Mastering NCERT</b>	
Concept Builders	186-187
Topical Questions	
• The Tissues	187-190
• Tissue System	190-191
• Anatomy of Dicotyledonous and Monocotyledonous Plants	191-194
• Secondary Growth	194-196
Assertion-Reason Questions	197
Statement Type Questions	197-199
Matching Type Questions	199-200
NCERT Exemplar's Questions	201
Past Exams' Questions	202-203
Skill Boosters	203-205
<b>Decoding the Questions</b>	206-212

## 7. STRUCTURAL ORGANISATION IN ANIMALS 213-253

<b>NEET Key Notes with Trend Analysis</b>	213-223
<b>Chapter at a Glance</b>	224-225
<b>Step by Step Mastering NCERT</b>	
Concept Builders	226
Topical Questions	
• Introduction	227

• Epithelial Tissue	227-230
• Connective Tissue	230-232
• Muscular and Neural Tissues	232-233
• Frog	233-237
• Cockroach	237-238
Assertion-Reason Questions	238-239
Statement Type Questions	239-240
Matching Type Questions	240-241
NCERT Exemplar's Questions	242
Past Exams' Questions	242-243
Skill Boosters	244-246
<b>Decoding the Questions</b>	247-253

## 8. CELL : THE UNIT OF LIFE 254-295

<b>NEET Key Notes with Trend Analysis</b>	254-263
<b>Chapter at a Glance</b>	264-265
<b>Step by Step Mastering NCERT</b>	
Concept Builders	266-267
Topical Questions	
• What is a Cell?	267
• Cell Theory	267-268
• An Overview of Cell	268
• Prokaryotic Cell	269-270
• Eukaryotic Cell	270-278
Assertion-Reason Questions	278-279
Statement Type Questions	279-280
Matching Type Questions	280-281
NCERT Exemplar's Questions	282
Past Exams' Questions	283-285
Skill Boosters	285-286
<b>Decoding the Questions</b>	287-295

## 9. BIOMOLECULES 296-331

<b>NEET Key Notes with Trend Analysis</b>	296-305
<b>Chapter at a Glance</b>	306-307
<b>Step by Step Mastering NCERT</b>	
Concept Builders	308-309
Topical Questions	
• How to Analyse Chemical Composition?	309-311
• Primary and Secondary Metabolites	311-312
• Biomacromolecules	312
• Proteins	312-313
• Polysaccharides	313

• Nucleic Acid	313-314
• Structure of Proteins	314
• Enzymes	314-316
Assertion-Reason Questions	317
Statement Type Questions	318
Matching Type Questions	319
NCERT Exemplar's Questions	320
Past Exams' Questions	321-322
Skill Boosters	323-325
<b>Decoding the Questions</b>	326-331

## 10. CELL CYCLE AND CELL DIVISION **332-365**

<b>NEET Key Notes with Trend Analysis</b>	332-338
<b>Chapter at a Glance</b>	339
<b>Step by Step Mastering NCERT</b>	
Concept Builders	340-341
Topical Questions	
• Cell Cycle	341-343
• Mitosis	343-346
• Meiosis	346-349
Assertion-Reason Questions	350
Statement Type Questions	351
Matching Type Questions	352
NCERT Exemplar's Questions	353
Past Exams' Questions	353-355
Skill Boosters	356-357
<b>Decoding the Questions</b>	358-365

## 11. PHOTOSYNTHESIS IN HIGHER PLANTS **366-401**

<b>NEET Key Notes with Trend Analysis</b>	366-374
<b>Chapter at a Glance</b>	375
<b>Step by Step Mastering NCERT</b>	
Concept Builders	376-377
Topical Questions	
• What do We Know?	377-378
• Where does Photosynthesis takes Place?	378-379
• How Many Types of Pigments are Involved in Photosynthesis?	379
• What is Light Reaction?	379-380

• The Electron Transport	380-382
• Where are the ATP and NADPH used?	382
• The Calvin Cycle (C <sub>3</sub> ) and C <sub>4</sub> -Pathway	382-384
• Photorespiration	384-385
• Factors Affecting Photosynthesis	385-386
Assertion-Reason Questions	386-387
Statement Type Questions	387-388
Matching Type Questions	389
NCERT Exemplar's Questions	390
Past Exams' Questions	390-392
Skill Boosters	392-394
<b>Decoding the Questions</b>	395-401

## 12. RESPIRATION IN PLANTS **402-438**

<b>NEET Key Notes with Trend Analysis</b>	402-409
<b>Chapter at a Glance</b>	410-411
<b>Step by Step Mastering NCERT</b>	
Concept Builders	412-413
Topical Questions	
• Introduction	413
• Do Plants Breathe?	413-414
• Glycolysis	414-415
• Fermentation	415-416
• Aerobic Respiration and Tricarboxylic Acid Cycle	417-419
• Electron Transport System (ETS) and Oxidative Phosphorylation	419-421
• Respiratory Balance Sheet and Amphibolic Pathway	421-422
• Respiratory Quotient	422
Assertion-Reason Questions	423
Statement Type Questions	424-425
Matching Type Questions	425-426
NCERT Exemplar's Questions	426
Past Exams' Questions	427-428
Skill Boosters	428-431
<b>Decoding the Questions</b>	432-438

## 13. PLANT GROWTH AND DEVELOPMENT **439-473**

<b>NEET Key Notes with Trend Analysis</b>	439-447
<b>Chapter at a Glance</b>	448
<b>Step by Step Mastering NCERT</b>	
Concept Builders	449

Topical Questions	
• Growth	450-453
• Differentiation, Dedifferentiation and Redifferentiation	453-454
• Development	454-455
• Plant Growth Regulators	455-459
Assertion-Reason Questions	459-460
Statement Type Questions	460-461
Matching Type Questions	461-462
NCERT Exemplar's Questions	462-463
Past Exams' Questions	463-464
Skill Boosters	465-466
<b>Decoding the Questions</b>	467-473

---

## 14. BREATHING AND EXCHANGE OF GASES 474-507

<b>NEET Key Notes with Trend Analysis</b>	474-479
<b>Chapter at a Glance</b>	480-481
<b>Step by Step Mastering NCERT</b>	
Concept Builders	482-483
Topical Questions	
• Respiratory Organs	483-485
• Mechanism of Breathing and Respiratory Volumes and Capacities	485-487
• Exchange of Gases	487-489
• Transport of Gases	489-490
• Regulation of Respiration and Disorders of Respiratory System	490-491
Assertion-Reason Questions	491-492
Statement Type Questions	492-493
Matching Type Questions	494
NCERT Exemplar's Questions	495-496
Past Exams' Questions	496-498
Skill Boosters	498-499
<b>Decoding the Questions</b>	500-507

---

## 15. BODY FLUIDS AND CIRCULATION 508-545

<b>NEET Key Notes with Trend Analysis</b>	508-515
<b>Chapter at a Glance</b>	516-517
<b>Step by Step Mastering NCERT</b>	
Concept Builders	518

Topical Questions	
• Blood	519-522
• Lymph	522-523
• Circulatory Pathways and Human Circulatory System	523-525
• Cardiac Cycle and ECG	525-528
• Double Circulation and Regulation of Cardiac Activity	528-530
• Disorders of Circulatory System	530-531
Assertion-Reason Questions	531
Statement Type Questions	532
Matching Type Questions	533-534
NCERT Exemplar's Questions	534-535
Past Exams' Questions	535-537
Skill Boosters	537-539
<b>Decoding the Questions</b>	540-545

---

## 16. EXCRETORY PRODUCTS AND THEIR ELIMINATION 546-579

<b>NEET Key Notes with Trend Analysis</b>	546-553
<b>Chapter at a Glance</b>	554-555
<b>Step by Step Mastering NCERT</b>	
Concept Builders	556
Topical Questions	
• Introduction	557
• Human Excretory System	557-560
• Urine Formation	560
• Functions of Tubules	560-561
• Mechanism of Concentration of the Filtrate	562
• Regulation of Kidney Function	562-563
• Micturition	564
• Role of other Organs in Excretion	564
• Disorders of Excretory System	564-565
Assertion-Reason Questions	565
Statement Type Questions	566-567
Matching Type Questions	567-568
NCERT Exemplar's Questions	568-569
Past Exams' Questions	569-572
Skill Boosters	572-573
<b>Decoding the Questions</b>	574-579

## 17. LOCOMOTION AND MOVEMENT

580-615

**NEET Key Notes with Trend Analysis** 580-587

**Chapter at a Glance** 588-589

**Step by Step Mastering NCERT**

Concept Builders 590

Topical Questions

- Types of Movement 591
- Muscles 591-592
- Structure of Contractile Proteins 593
- Mechanism of Muscle Contraction 593-595
- Skeletal System 595-598
- Joints 598-599
- Disorders of Muscular and Skeletal System 599

Assertion-Reason Questions 600

Statement Type Questions 601-602

Matching Type Questions 602-603

NCERT Exemplar's Questions 604

Past Exams' Questions 605-607

Skill Boosters 607-608

**Decoding the Questions** 609-615

## 18. NEURAL CONTROL AND COORDINATION

616-637

**NEET Key Notes with Trend Analysis** 616-620

**Chapter at a Glance** 621

**Step by Step Mastering NCERT**

Concept Builders 622

Topical Questions

- Neural System 623-624

- Neuron : Structural and Functional Unit of Neural System 624-626

- Generation and Conduction of Nerve Impulses 626-627

- Transmission of Impulse 627-628

- Central Nervous System 628-629

Assertion - Reason Questions 629-630

Statement Type Questions 630-631

Matching Type Questions 631

NCERT Exemplar's Questions 632

Past Exams' Questions 632-633

Skill Boosters 633-634

**Decoding the Questions** 635-637

## 19. CHEMICAL COORDINATION AND INTEGRATION

638-673

**NEET Key Notes with Trend Analysis** 638-645

**Chapter at a Glance** 646-647

**Step by Step Mastering NCERT**

Concept Builders 648

Topical Questions

- Endocrine Glands and Hormones 649
- Human Endocrine System 649-656
- Hormones of Heart, Kidney and GIT 656
- Mechanism of Hormone Action 656-658

Assertion-Reason Questions 658-659

Statement Type Questions 659-660

Matching Type Questions 660-662

NCERT Exemplar's Questions 662-663

Past Exams' Questions 663-665

Skill Boosters 666-667

**Decoding the Questions** 668-673