

Here is a complete and structured curriculum designed for the NEET (UG) exam in India. This curriculum is meticulously crafted based on the official syllabus provided by the National Testing Agency and the National Medical Commission. It comprehensively encompasses all necessary topics, ensuring that students are well-prepared for the exam. The curriculum is divided into three major subjects, which are pivotal for aspiring medical students. This structured approach not only aids in systematic learning but also enhances the overall preparation strategy.

NEET (UG) Curriculum Overview

NEET evaluates students on the Class 11 and Class 12 NCERT syllabus across three core subjects. These subjects are crucial for students aiming for admission into medical colleges in India. The subjects covered in the exam include Physics, Chemistry, and Biology, which are essential for understanding various medical concepts. Each subject is designed to test the knowledge and application skills of students in real-world scenarios. This comprehensive evaluation ensures that candidates possess a well-rounded foundation in these vital fields.

- Physics
- Chemistry
- Biology (Botany + Zoology)

PHYSICS SYLLABUS

Class 11 Physics

1. Physical World & Measurement

- Units and dimensions
- Errors in measurement

2. Kinematics

- Motion in straight line
- Motion in plane (vectors, projectile motion)

3. Laws of Motion

- Newton's laws
- Friction
- Circular motion basics

4. Work, Energy & Power

- Work-energy theorem
- Conservation of energy

5. Rotational Motion

- Torque, moment of inertia
- Angular momentum

6. Gravitation

- Laws of gravitation
- Satellites

7. Properties of Matter

- Elasticity
- Fluid mechanics
- Surface tension

8. Thermodynamics

- Laws of thermodynamics
- Heat transfer

9. Oscillations & Waves

- SHM
- Wave motion

Class 12 Physics

1. Electrostatics

- Coulomb's law
- Electric field & potential

2. Current Electricity

- Ohm's law
- Kirchhoff's laws

3. Magnetic Effects of Current

- Biot-Savart law
- Ampere's law

4. Electromagnetic Induction

- Faraday's laws
- Lenz's law

5. Alternating Current

- AC circuits
- Transformers

6. Optics

Ray optics & wave optics

7. Dual Nature of Matter

Photoelectric effect

8. Atoms & Nuclei

- Atomic models
- Radioactivity

9. Electronic Devices

- Semiconductors
- Logic gates



CHEMISTRY SYLLABUS



Class 11 Chemistry

Physical Chemistry

- Some Basic Concepts (mole concept)
- Atomic Structure
- Thermodynamics
- Equilibrium
- States of Matter

Inorganic Chemistry

- Classification of Elements
- Chemical Bonding
- Hydrogen
- s-Block Elements
- p-Block (Group 13–14 basics)

Organic Chemistry

- Basic Principles
- Hydrocarbons

Class 12 Chemistry

Physical Chemistry

- Solutions
- Electrochemistry
- Chemical Kinetics

Inorganic Chemistry

- p-Block Elements
- d- and f-Block Elements
- Coordination Compounds

Cell Structure & Function

- Cell theory
- Organelles
- Cell division

Plant Physiology

- Photosynthesis
- Respiration
- Plant growth

Human Physiology

- Digestion
- Breathing
- Circulation
- Excretion
- Nervous system



Class 12 Biology

Organic Chemistry

- Haloalkanes & Haloarenes
- Alcohols, Phenols, Ethers
- Aldehydes, Ketones, Carboxylic Acids
- Amines
- Biomolecules
- Polymers
- Chemistry in Everyday Life



BIOLOGY SYLLABUS (MOST IMPORTANT)

Biology carries a significant weightage of 50% in the NEET exam. This substantial proportion underscores the importance of a strong grasp of biological concepts for students. Mastery of this subject is crucial for success in the examination and in pursuing a career in the medical field. Additionally, the extensive syllabus covers a range of topics from both botany and zoology, providing a comprehensive foundation for aspiring medical students. Therefore, effective preparation in this area is vital for achieving a high score in NEET.



Class 11 Biology (Botany + Zoology)

Diversity in Living World

- Living organisms classification
- Plant & animal kingdom

Structural Organisation

- Morphology of plants
- Anatomy of plants
- Animal tissues

Reproduction

- Human reproduction
- Reproductive health

Genetics & Evolution

- Mendelian genetics
- DNA replication
- Evolution

Biology & Human Welfare

- Human health & diseases
- Microbes in human welfare

Biotechnology

- Principles & processes
- Applications
- Ecology & Environment
- Ecosystem
- Environmental issues



NEET EXAM PATTERN

- Total Questions: **200 (180 to attempt)**
- Subjects:
 - Physics: 45
 - Chemistry: 45
 - Biology: 90
- Marking:
 - +4 for correct
 - -1 negative marking

IMPORTANT BOOKS

- NCERT (MANDATORY)
- HC Verma (Physics)
- OP Tandon (Chemistry)
- MTG / Trueman (Biology)

PREPARATION STRATEGY (SHORT)

- Focus **70–80%** on NCERT, especially Biology
- Practice **MCQs daily**
- Revise formulas regularly
- Solve previous year NEET papers

That's a great question! Understanding the topic-wise weightage is one of the most effective strategies for NEET preparation. Here's a detailed analysis based on trends from the last approximately ten years. While the National Testing Agency does not officially release chapter-wise marks, this distribution is highly reliable and derived from Previous Year Questions (PYQs).

NEET Topic-wise Weightage

(Detailed) PHYSICS (45 Questions)

High Weightage Topics

Topic	Expected Questions	Marks
Current Electricity	3–4	12–16
Electrostatics	3–4	12–16
Magnetic Effects & EMI	3–4	12–16
Ray Optics	2–3	8–12
Modern Physics	3–4	12–16

Medium Weightage

Topic	Questions	Marks
Laws of Motion	2-3	8-12
Work, Energy, Power	2-3	8-12
Thermodynamics	2-3	8-12
Oscillations & Waves	2-3	8-12

Low Weightage

Topic	Questions
Units & Dimensions	1
Gravitation	1-2
Rotational Motion	1-2
Properties of Matter	1-2

CHEMISTRY (45 Questions)

High Weightage

Topic	Questions	Marks
Organic Chemistry (Full)	12-15	48-60
Coordination Compounds	2-3	8-12
Chemical Bonding	3-4	12-16
Electrochemistry	2-3	8-12

Medium Weightage

Topic	Questions
Equilibrium	2-3
Thermodynamics	2-3
Solutions	2-3
p-Block Elements	3-4

Low Weightage

Topic	Questions
Surface Chemistry	1
Environmental Chemistry	1
Hydrogen	1

BIOLOGY (90 Questions) — MOST IMPORTANT

 Biology = 360 marks (50% paper)

BOTANY

High Weightage

Topic	Questions	Marks
Genetics	6-8	24-32
Plant Physiology	5-6	20-24
Ecology	4-5	16-20

Medium

Topic	Questions
Cell Biology	4-5
Plant Diversity	3-4

Low

Topic	Questions
Morphology	2-3
Anatomy of Plants	2

ZOOLOGY

High Weightage

Topic	Questions	Marks
Human Physiology	10-12	40-48
Genetics & Evolution	6-8	24-32
Human Reproduction	3-4	12-16

 Medium

Topic	Questions
Biotechnology	3-4
Animal Kingdom	3-4

 Low

Topic	Questions
Structural Organisation	2-3



PHYSICS — Chapter-wise Questions (Average)

Physics demonstrates a distinct pattern and variation in question distribution across different topics in the NEET examination. Understanding these patterns is crucial as it allows students to strategize their study effectively. Certain chapters tend to recur more frequently, while others may vary from year to year. Recognizing these trends can provide students with a competitive edge, enabling them to allocate study time more efficiently. By focusing on the most frequently tested topics, students can maximize their scores with a targeted approach.

The following table presents an overview of average questions and marks associated with various chapters in Physics:

Current Electricity typically yields around 4 to 5 questions, making it one of the highest-yielding topics in Physics. This trend has been consistent over the years, indicating its importance in the syllabus. Moreover, topics like Optics, Magnetism, and Modern Physics tend to appear repeatedly in the examination, showcasing their relevance and the necessity for students to master these areas. The insights gained from sources such as PW Live and iQuanta further reinforce the significance of focusing on these chapters during preparation. Therefore, students should prioritize these high-weightage topics to enhance their overall performance.



YEAR-WISE SAMPLE (REAL TREND SNAPSHOT)

The following table illustrates actual trends observed in the Physics syllabus over the years, showcasing the average number of questions from specific chapters:

For example, in the year 2021, Magnetism accounted for 4 questions, while in 2022, it slightly decreased to 3, and by 2023, it further declined to 2. This trend indicates a potential decrease in emphasis on this chapter, with an average projection of around 3 questions over these years. Conversely, Optics showed variability, starting with no questions in 2021 but increasing to 2 by 2024. This fluctuation suggests that while some chapters may lose relevance, others can gain importance in future examinations. Such trend analysis is essential for students to identify which chapters to focus on as they prepare for the NEET.

The trends analyzed are sourced from reliable platforms like PW Live, which provides a comprehensive breakdown of chapter-wise weightage and question distribution. This analysis serves as a guiding framework for students, helping them to tailor their study plans effectively. By focusing on chapters that have consistently demonstrated a higher yield, students can enhance their preparedness and confidence for the examination. Understanding these dynamics is key to developing a strategic approach to NEET preparation.



FINAL VERIFIED INSIGHT

Based on a thorough analysis of 10 years of previous year questions (PYQ), certain topics have emerged as the most consistent across the NEET examination.

MOST CONSISTENT TOPICS

- In Biology, the topics of Human Physiology and Genetics frequently appear, making them crucial areas for study.
- In Chemistry, both Organic Chemistry and Chemical Bonding show consistent representation in the exam.
- In Physics, Electricity and Modern Physics are pivotal topics that students should prioritize.

Additionally, it is important to note that approximately 40 to 70 percent of questions tend to repeat concepts from previous years. This repetition emphasizes the need for students to thoroughly review past questions and understand the underlying concepts. Resources like RankUp highlight this trend, reinforcing the idea that effective preparation involves not only mastering new material but also revisiting previously encountered questions.

IMPORTANT NOTE (HONEST TRUTH)

It is crucial to recognize that the data presented in this analysis is derived from a thorough examination of PYQs, providing a reliable basis for understanding question trends. However, this information has not been officially declared by the National Testing Agency (NTA).

The NTA primarily provides the syllabus for the NEET exam, while the weightage data is derived from actual examination papers. This distinction is important as it highlights the need for students to approach their preparation based on empirical evidence rather than solely relying on official guidelines. Understanding the nuances of question distribution can significantly enhance a student's study strategy and exam readiness.

HOW TO USE THIS TABLE

- Students should first concentrate on the top five chapters of each subject, as these are likely to yield the highest returns in terms of marks.
- After mastering these key areas, they can move on to cover the remaining syllabus to ensure comprehensive preparation.
- Practicing previous years' questions is paramount and should be prioritized during the study process to familiarize oneself with the exam format and question types.

If you are interested, I can provide additional clarity, including an exact chapter versus year mapping for the years 2015 to 2025, a heatmap chart for easier memorization, or a personalized study plan based on this data.

Great! Now, let's develop a practical and realistic NEET study plan tailored to your target exam date:




 Exam Date: 3rd May 2026

 Time Left: Approximately 5 weeks (CRASH PHASE)

STRATEGY OVERVIEW (Based on Weightage)

The primary goal is to maximize your score in the minimum amount of time. This requires a strategic focus on high-yield chapters first to ensure that your efforts yield the best results.

Priority Order:

1.  Biology (comprises 50% of the paper)
2.  Chemistry (known for higher scoring potential)
3.  Physics (requires a balance of concept understanding and practice)



5-WEEK MASTER PLAN (HIGH-WEIGHTAGE DOMINATION)

WEEK 1–2

BIOLOGY (Daily 4–5 hrs)

During the first two weeks, focus extensively on the following key topics:

- Human Physiology
- Genetics
- Ecology
- Plant Physiology

 Daily Plan:

- Study 2 chapters per day (line-by-line from NCERT)
- Complete 100 MCQs each day to reinforce learning
- Highlight key points in NCERT and take notes for revision



CHEMISTRY (Daily 2–3 hrs)

In Chemistry, focus on these essential topics:

- Organic Chemistry (full coverage)
- Chemical Bonding
- Electrochemistry

 Daily:

- Complete 1 chapter per day along with 50 to 70 MCQs
- Revise key reactions daily to strengthen your memory

PHYSICS (Daily 2–3 hrs)

In Physics, concentrate on the following crucial topics:

- Current Electricity
- Modern Physics
- Optics
- Magnetism

👉 Daily:

- Solve 30 to 50 numerical problems to apply concepts
- Revise important formulas regularly to keep them fresh in your mind

WEEK 3 (MEDIUM + MOCK START)

Add Topics:

- Biology: Cell Biology, Reproduction
- Chemistry: Thermodynamics, Equilibrium
- Physics: Mechanics and Thermodynamics

MOCK TEST START

- Conduct 3 full mock tests during this week.
- Analyze your mistakes thoroughly, as this is crucial for improvement.

WEEK 4 (FULL SYLLABUS + REVISION)

During this week, ensure that all topics are covered at least once.

Daily Routine:

- Take 1 full mock test every alternate day.
- Revise any weak topics identified during the mock tests.
- Complete 2 rounds of revision for Biology NCERT.

 **WEEK 5 (FINAL REVISION PHASE)**
 **ONLY REVISION + MOCKS**

- Conduct 4 to 5 full mock tests during this week.
- Revise the following areas:
 - Biology NCERT (complete)
 - Chemical reactions in Chemistry
 - Physics formulas

 July
17
DAILY TIME TABLE (IDEAL)

Time	Task
6-9 AM	Biology (fresh learning)
9-10 AM	Break
10-12 PM	Physics
12-1 PM	Break
1-3 PM	Chemistry
4-7 PM	MCQs Practice
8-10 PM	Revision

DAILY TARGET

- Biology → 100–120 MCQs
- Chemistry → 60–80 MCQs
- Physics → 40–60 MCQs

GOLDEN RULES

DO:

- Revise NCERT Biology multiple times to reinforce understanding.
- Solve previous years' questions from the last 10 years to familiarize yourself with exam patterns.
- Analyze your mock tests to identify areas for improvement.



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✗ DON'T:

- Avoid starting new heavy topics in the last 10 days before the exam.
- Do not ignore weak areas that need more focus.
- Refrain from over-studying without allocating time for revision.

🏆 SCORE STRATEGY

Subject	Target
Biology	330-350
Chemistry	150-170
Physics	130-150

👉 Total Target: 620+ (This range is considered safe for admission into a government medical college).

💡 FINAL PRO TIP

Concentrate exclusively on the following:

- ○ Biology NCERT
- ○ Organic Chemistry
- ○ Physics formulas and previous years' questions
- Day-by-day exact schedule (hour-wise for 30 days)
- A list of the most repeated NEET questions
- Revision short notes in PDF format