

NEET UG

SYLLABUS 2026

Physics · Chemistry · Biology (Botany + Zoology)

720

Total Marks

180

Questions (to attempt)

200

Minutes Duration

3

Subjects PCB

+4 CORRECT

-1 INCORRECT

0 UNATTEMPTED

Exam Pattern

NEET UG 2026 — Structure, sections, and marks distribution

NEET UG 2026 is a pen-and-paper based MCQ examination of 200 minutes. Each subject has Section A (compulsory) and Section B (attempt any 10 from 15). All questions carry single correct answers with +4 / -1 marking.

Subject	Section A (Compulsory)	Section B (Attempt 10/15)	Total Attempt	Max Marks	Duration
Physics	35 Qs	15 Qs	45 Qs	180	
Chemistry	35 Qs	15 Qs	45 Qs	180	
Biology	70 Qs	30 Qs	90 Qs	360	
TOTAL	140 Qs	60 Qs	180 Qs	720	200 min

CORRECT ANSWER
+4 Marks

WRONG ANSWER
-1 Mark (Negative Marking)

UNATTEMPTED
0 Marks — No Penalty

Physics Syllabus

180 Marks · 45 Questions · Class 11 + 12 NCERT

Physics contributes 180 marks to NEET. Optics, Electrostatics, Current Electricity, and Modern Physics are highest-priority chapters. Focus on formula application rather than derivations.

Class 11 Physics

#	Chapter	Key Topics Covered	Wt.
1	Physical World & Measurement	Physical quantities, SI units, dimensional analysis, significant figures, error analysis	1-2%
2	Kinematics	Motion in 1D & 2D, displacement, velocity, acceleration, projectile motion, relative velocity, uniform circular motion	3-4%
3	Laws of Motion	Newton's three laws, impulse-momentum, conservation of linear momentum, friction (static/kinetic/rolling), centripetal force	3-4%
4	Work, Energy and Power	Work-energy theorem, kinetic and potential energy, conservative forces, energy conservation, elastic and inelastic collisions, power	3-4%
5	System of Particles & Rigid Body	Centre of mass, torque, angular momentum, conservation of angular momentum, moment of inertia, parallel/perpendicular axes theorems, rolling motion	3-5%
6	Gravitation	Kepler's laws, universal gravitation, g variation, gravitational PE, escape velocity, orbital velocity, geostationary satellites	2-3%
7	Properties of Bulk Matter	Stress, strain, Young's/bulk/shear modulus, viscosity, Stokes' law, surface tension, capillarity, Pascal's law, Bernoulli's equation	2-3%
8	Thermodynamics	Zeroth, first, second laws; internal energy; enthalpy; Carnot engine; entropy; heat engines, pumps, refrigerators	3-4%
9	Kinetic Theory of Gases	Kinetic theory, gas laws, ideal gas equation, RMS speed, degrees of freedom, equipartition of energy, mean free path	2-3%
10	Oscillations and Waves	SHM, restoring force, energy in SHM, simple pendulum, spring-mass; resonance, wave types, superposition, standing waves, beats, Doppler effect	3-5%

Class 12 Physics

#	Chapter	Key Topics Covered	Wt.
1	Electrostatics	Coulomb's law, electric field and potential, Gauss's law, capacitors, dielectrics, energy stored in capacitor, Van de Graaff generator	4-6%
2	Current Electricity	Drift velocity, Ohm's law, resistivity, Kirchhoff's laws, Wheatstone bridge, meter bridge, potentiometer, resistor combinations	4-5%
3	Magnetic Effects & Magnetism	Biot-Savart law, Ampere's law, solenoid, force on moving charge, torque on current loop, cyclotron, bar magnets, Curie's law, hysteresis	3-4%
4	Electromagnetic Induction & AC	Faraday's law, Lenz's law, motional EMF, self/mutual inductance, AC circuits, impedance, power factor, resonance, transformers, LC oscillations	3-4%

#	Chapter	Key Topics Covered	Wt.
5	Electromagnetic Waves	Displacement current, EM spectrum (radio, microwave, IR, UV, X-ray, gamma), properties and applications of all EM waves	1-2%
6	Optics	Reflection, refraction, TIR, lens/mirror formulae, optical instruments; wave optics: Huygens' principle, Young's interference, diffraction, polarisation	5-7%
7	Dual Nature of Matter	Photoelectric effect, Einstein's equation, de Broglie wavelength, Davisson-Germer experiment, wave-particle duality	2-3%
8	Atoms and Nuclei	Bohr's model, atomic spectra, nuclear binding energy, radioactivity (alpha/beta/gamma), nuclear fission and fusion, half-life, radioactive decay law	3-4%
9	Electronic Devices	Semiconductors, p-n junction diode, rectifiers, Zener diode, BJT transistor, logic gates (AND, OR, NOT, NAND, NOR, XOR)	2-3%

* Wt. = approximate weightage based on 2016-2024 NEET papers

Chemistry Syllabus

180 Marks · 45 Questions · Physical + Organic + Inorganic

Chemistry is the most balanced scoring section. Organic Chemistry requires understanding of mechanisms. Inorganic Chemistry rewards NCERT memorisation. Physical Chemistry needs daily numerical practice.

Class 11 Chemistry

#	Chapter	Key Topics Covered	Wt.
1	Some Basic Concepts of Chemistry	Mole concept, atomic/molecular masses, percentage composition, stoichiometry, limiting reagent, concentration terms	1-2%
2	Structure of Atom	Bohr's model, quantum numbers, orbitals (shapes), electronic configuration, Aufbau/Hund/Pauli rules, Heisenberg uncertainty, de Broglie relation	2-3%
3	Classification & Periodicity	Modern periodic table; trends in atomic radius, IE, electron affinity, electronegativity, valency across periods and groups	1-2%
4	Chemical Bonding & Molecular Structure	Ionic/covalent/metallic bonding, Lewis structures, VSEPR, hybridisation (sp to sp ³ d ²), MO theory, bond parameters, hydrogen bond	3-4%
5	States of Matter: Gases & Liquids	Gas laws, ideal gas equation, kinetic theory, real gases, van der Waals equation, liquefaction, viscosity, surface tension	1-2%
6	Thermodynamics	State functions, internal energy, enthalpy, Hess's law, entropy, Gibbs free energy, spontaneity, first and second laws	2-3%
7	Equilibrium	Chemical equilibrium, Le Chatelier's principle, ionic equilibrium, pH, buffers, K _{sp} , degree of dissociation, hydrolysis of salts	3-4%
8	Redox Reactions	Oxidation number, oxidising/reducing agents, balancing by oxidation number method and half-reaction method	1-2%
9	Hydrogen	Position in periodic table, dihydrogen, hydrides, water, heavy water, hydrogen peroxide structure and reactions, hydrogen as fuel	1%
10	s-Block Elements	Alkali and alkaline earth metals: properties, reactions, NaOH/Na ₂ CO ₃ /CaCO ₃ /Ca(OH) ₂ /cement; anomalous behaviour of Li and Be	2-3%
11	Some p-Block Elements	Groups 13 and 14: general trends, allotropes of carbon, silicon compounds, borax, boric acid, uses	2-3%
12	Organic Chemistry: Basic Principles	IUPAC nomenclature, isomerism (structural and stereo), resonance, hyperconjugation, inductive and mesomeric effects, reaction intermediates	3-4%
13	Hydrocarbons	Alkanes/alkenes/alkynes: preparation, properties; Markovnikov's rule; conformations; aromatic hydrocarbons; aromaticity; EAS reactions	2-3%
14	Environmental Chemistry	Air, water, soil pollution; global warming; ozone depletion; acid rain; industrial waste; green chemistry	1%

Class 12 Chemistry

#	Chapter	Key Topics Covered	Wt.
1	Solid State	Types of solids, crystal lattice, unit cell, packing efficiency, Frenkel/Schottky defects, electrical and magnetic properties, band theory	1-2%
2	Solutions	Concentration terms, Raoult's law, Henry's law, colligative properties (osmotic pressure, boiling point elevation, freezing point depression), van't Hoff factor	2-3%
3	Electrochemistry	Electrochemical cells, EMF, Nernst equation, conductance, Kohlrausch's law, electrolysis, Faraday's laws, corrosion, batteries, fuel cells	2-3%
4	Chemical Kinetics	Rate of reaction, rate law, order/molecularity, integrated rate equations (0, 1st, 2nd order), half-life, Arrhenius equation, activation energy	2-3%
5	Surface Chemistry	Adsorption (physisorption vs chemisorption), catalysis, colloids (Tyndall effect, Brownian motion, coagulation), emulsions, micelles	1-2%
6	General Principles: Isolation of Elements	Concentration, reduction, refining; extraction of Fe (blast furnace), Cu, Zn, Al; thermodynamic and electrochemical principles	1-2%
7	p-Block Elements (Class 12)	Groups 15-18: general properties, HNO ₃ , H ₂ SO ₄ , ozone, PCl ₃ , PCl ₅ , SF ₆ , noble gases, interhalogen compounds	3-4%
8	d and f Block Elements	Transition metals: colour, oxidation states, magnetic properties, catalytic activity, KMnO ₄ , K ₂ Cr ₂ O ₇ ; lanthanides and actinides	2-3%
9	Coordination Compounds	Terminology, IUPAC nomenclature, Werner's theory, isomerism (geometric/optical), crystal field theory, colour, haemoglobin/chlorophyll	3-4%
10	Haloalkanes and Haloarenes	Nomenclature, C-X bond nature, SN ₁ /SN ₂ reactions, optical activity, haloarene reactions, environmental effects (CFCs, DDT)	2-3%
11	Alcohols, Phenols and Ethers	Preparation, physical/chemical properties, oxidation, esterification, dehydration; acidic nature of phenols; reactions of ethers	2-3%
12	Aldehydes, Ketones & Carboxylic Acids	Nucleophilic addition, aldol condensation, Cannizzaro reaction, oxidation/reduction; carboxylic acid acidity, esters, amides, acid chlorides	3-4%
13	Organic Compounds Containing Nitrogen	Amines: classification, basicity, preparation and reactions; diazonium salts: preparation and synthetic applications; cyanides	2-3%
14	Biomolecules	Carbohydrates, proteins (amino acids, peptide bond, denaturation), enzymes, DNA and RNA structure, vitamins, hormones	3-4%
15	Polymers	Addition and condensation polymerisation, natural rubber, vulcanisation, nylon, polyester, thermoplastics vs thermosetting	1-2%
16	Chemistry in Everyday Life	Drugs (analgesics, antibiotics, antiseptics, antacids), food preservatives, artificial sweeteners, soaps and detergents	1-2%

* Wt. = approximate weightage based on 2016-2024 NEET papers

Biology Syllabus — Botany

360 Marks Total (Botany 180 + Zoology 180) · 90 Questions

Biology is worth 50% of the total NEET score. Mastering it is the single biggest lever for improving your rank. Read every NCERT diagram, table, and example carefully.

Class 11 Botany

#	Chapter	Key Topics Covered	Wt.
1	The Living World	Characteristics of living organisms, taxonomic categories, nomenclature (binomial), taxonomic aids (herbaria, keys, zoological parks)	1-2%
2	Biological Classification	Five kingdom classification; Monera, Protista, Fungi, Plantae, Animalia; viruses, viroids, prions, lichens	2-3%
3	Plant Kingdom	Algae, Bryophytes, Pteridophytes, Gymnosperms, Angiosperms: features, life cycles, alternation of generations, economic importance	2-3%
4	Morphology of Flowering Plants	Root, stem, leaf, inflorescence, flower, fruit, seed morphology; modifications; families: Fabaceae, Solanaceae, Liliaceae	3-4%
5	Anatomy of Flowering Plants	Meristematic and permanent tissues, tissue systems, primary structure of dicot/monocot root/stem/leaf, secondary growth	2-3%
6	Cell: The Unit of Life	Cell theory, prokaryotic vs eukaryotic cells, cell wall, plasma membrane, endomembrane system, mitochondria, plastids, ribosomes, nucleus	3-4%
7	Cell Cycle and Cell Division	Cell cycle phases (G ₁ , S, G ₂ , M), mitosis stages and significance, meiosis I and II, crossing over, chiasmata, significance	3-4%

Class 12 Botany

#	Chapter	Key Topics Covered	Wt.
1	Reproduction in Organisms	Asexual reproduction types (binary fission, budding, fragmentation, spores, vegetative propagation), sexual reproduction cycle phases	1-2%
2	Sexual Reproduction in Flowering Plants	Flower structure, microsporogenesis, megasporogenesis, pollen grain, embryo sac, pollination types, double fertilisation, endosperm, embryo development, apomixis, polyembryony	5-7%
3	Principles of Inheritance and Variation	Mendel's laws; dominance, segregation, independent assortment; incomplete dominance, co-dominance, multiple alleles; ABO blood groups; linkage; sex determination; mutations; chromosomal disorders	5-7%
4	Molecular Basis of Inheritance	DNA structure (Watson-Crick), DNA packaging, replication, transcription, genetic code (properties), translation, lac operon, Human Genome Project, DNA fingerprinting	5-7%
5	Evolution	Origin of life, Miller-Urey experiment, Lamarckism, Darwinism, neo-Darwinism, natural selection types, Hardy-Weinberg principle, speciation, human evolution	3-4%
6	Biotechnology: Principles and Processes	Restriction enzymes, vectors, PCR, gel electrophoresis, recombinant DNA technology, cloning, Southern blotting, transgenic organisms, tissue culture	3-4%

#	Chapter	Key Topics Covered	Wt.
7	Biotechnology and Its Applications	Bt crops, biofortified crops, biofertilisers; medical applications (insulin, gene therapy, ELISA, PCR diagnostics); biosafety, bioethics, patents	2-3%

Biology Syllabus — Zoology

Zoology · Class 11 + 12 · 180 Marks

Class 11 Zoology

#	Chapter	Key Topics Covered	Wt.
1	Animal Kingdom	Classification basis (symmetry, coelom, segmentation, notochord); phyla: Porifera, Cnidaria, Platyhelminthes, Nematoda, Annelida, Arthropoda, Mollusca, Echinodermata, Hemichordata, Chordata; vertebrate classes	3-4%
2	Structural Organisation in Animals	Animal tissue types (epithelial, connective, muscular, neural) and their subtypes and functions; morphology and anatomy of earthworm, cockroach, frog	2-3%
3	Biomolecules	Chemical constituents of cells; protein structure/function; enzyme classification, mechanism, kinetics, inhibition; carbohydrates, lipids, nucleic acids, anabolism and catabolism	3-4%
4	Digestion and Absorption	Human digestive system and accessory glands; digestion of carbohydrates, proteins, fats; absorption; assimilation; egestion; digestive disorders	3-4%
5	Breathing and Exchange of Gases	Respiratory organs; breathing mechanism; lung volumes and capacities; gas exchange at alveoli; O ₂ and CO ₂ transport; regulation of respiration; respiratory disorders	2-3%
6	Body Fluids and Circulation	Blood composition, plasma, blood cell types; ABO and Rh blood groups; coagulation; heart structure, cardiac cycle, cardiac output, ECG; blood vessels; lymphatic system; cardiovascular disorders	3-4%
7	Excretory Products and Their Elimination	Excretory waste types; human excretory system; nephron structure; urine formation (GFR, TRS, tubular secretion); counter-current mechanism; ADH/aldosterone/ANF regulation; disorders and dialysis	3-4%
8	Locomotion and Movement	Skeletal muscle structure; sliding filament theory; cross-bridge cycle; skeletal system (axial and appendicular); joints; disorders (myasthenia gravis, muscular dystrophy, arthritis, tetany, gout, osteoporosis)	2-3%

Class 12 Zoology

#	Chapter	Key Topics Covered	Wt.
1	Human Reproduction	Male/female reproductive systems; spermatogenesis and oogenesis; menstrual cycle; fertilisation; implantation; cleavage, blastulation, gastrulation, organogenesis; placenta; parturition; lactation	4-5%
2	Reproductive Health	Reproductive health and STIs; contraceptive methods (barrier, hormonal, IUDs, sterilisation); MTP; infertility and ART (IVF, ZIFT, GIFT, AI); amniocentesis	2-3%
3	Neural Control and Coordination	Neuron structure; resting/action potential; synaptic transmission; CNS regions/functions; PNS; reflex arc and reflex action; eye (structure, accommodation, defects); ear (structure, hearing mechanism)	4-5%
4	Chemical Coordination and Integration	Endocrine glands and hormones (pituitary, thyroid, adrenal cortex/medulla, pancreas, gonads, pineal, thymus); mechanism of hormone action; disorders (diabetes, goitre, cretinism, acromegaly, Addison's disease)	3-4%

#	Chapter	Key Topics Covered	Wt.
5	Organisms and Populations	Organism-environment interactions; abiotic factors and adaptations; population attributes; exponential and logistic growth models (r and K strategies); interspecific interactions (predation, competition, parasitism, mutualism, commensalism)	3-4%
6	Ecosystem	Biotic and abiotic components; productivity (GPP and NPP); decomposition; energy flow; food chains/webs; 10% energy law; ecological pyramids; carbon and phosphorus cycling; ecosystem services	3-4%
7	Biodiversity and Conservation	Levels of biodiversity; biodiversity loss (HIPPO causes); in situ conservation (national parks, biosphere reserves, sanctuaries); ex situ conservation (zoos, seed banks); biodiversity hotspots; IUCN categories; CBD	2-3%
8	Human Health and Disease	Infectious diseases (typhoid, pneumonia, malaria, amoebiasis, ascariasis, ringworm); innate and acquired immunity; active/passive immunity; vaccines; allergies; AIDS (HIV); cancer types; drugs and alcohol abuse	4-5%

* Wt. = approximate weightage based on 2016-2024 NEET papers

Chapter Weightage & Preparation Strategy

Priority analysis + expert tips for NEET 2026

Subject	Very High Priority	High Priority	Questions/Year
Physics	Optics, Electrostatics, Current Electricity, Laws of Motion	Work-Energy, Waves, Magnetic Effects, Modern Physics	14-18 Qs
Chemistry	Coordination Compounds, Biomolecules, Carbonyl Compounds, Chemical Bonding	p-Block, d-Block, Equilibrium, Electrochemistry, Organic Basics	16-20 Qs
Botany	Molecular Basis of Inheritance, Genetics, Sexual Reproduction in Flowering Plants	Plant Kingdom, Cell Division, Biotechnology, Evolution	18-22 Qs
Zoology	Human Reproduction, Neural Control, Human Health and Disease, Endocrine System	Animal Kingdom, Human Physiology, Ecology, Biomolecules	20-25 Qs

8 Expert Preparation Strategies

Strategy	How to Execute
NCERT First — Always	80-85% of NEET questions come directly from Class 11 and 12 NCERT. Read every page, diagram, box, table, and example in all six NCERT books before any reference material.
Biology = Marks Multiplier	Biology is 50% of NEET. Genetics, Molecular Biology, Reproduction, Neural Coordination, and Human Health are the top chapters. Target 320+ in Biology.
Chemistry: Balance All 3 Branches	Organic needs mechanisms and named reactions. Inorganic (p-Block, Coordination) rewards NCERT memorisation. Physical Chemistry needs daily numerical practice.
Physics: Formula Application	NEET Physics tests application, not long derivations. Memorise all formulae, solve MCQs daily from Optics, Electrostatics, and Modern Physics. Target 120+.
Previous Year Papers	Solve 10+ years of NEET papers. Analyse every wrong answer chapter-wise. Identify recurring topics. This is the single most effective final-stage strategy.
Weekly Full Mock Tests	Attempt one full-length mock (200 min, pen-paper) every week from 3 months before the exam. Biology first, then Chemistry, then Physics for best time use.
Section B Strategy	In Section B, only attempt questions you are 90%+ confident about. Guessing costs 1 mark. A strategic skip protects your total score from unnecessary deductions.
Final 60-Day Revision Plan	Spend last 2 months only revising. Use flashcards for Inorganic Chemistry reactions, comparison tables for biological classifications, and formula sheets for Physics.

Frequently Asked Questions

Question	Answer
Has NEET syllabus changed for 2026?	NMC rationalised the syllabus in 2024, aligning it with NCERT by removing advanced topics. Download the current NMC syllabus from nta.ac.in to confirm exact 2026 inclusions.

Which subject carries highest marks?	Biology — 360 out of 720 marks (50%). Physics and Chemistry carry 180 marks each (25% each). Within Biology, Botany and Zoology contribute 180 marks apiece.
Is NCERT enough for NEET 2026?	NCERT is primary and critical — 80-85% of questions are directly from it. Reference books (HC Verma for Physics, MS Chauhan for Organic) supplement but never replace NCERT.
What is the NEET passing cutoff?	General: 50th percentile. OBC/SC/ST: 40th percentile. PwD: 45th percentile. Exact qualifying marks vary each year with paper difficulty and number of candidates.
How many chapters in NEET syllabus?	Approximately 97 chapters: 19 in Physics, 30 in Chemistry, and 48 in Biology (Botany + Zoology) across Class 11 and 12 NCERT textbooks.
Can Arts/Commerce students appear?	No. NEET requires Physics, Chemistry, and Biology (PCB) in Class 12. Students without PCB in senior secondary education are not eligible for NEET UG.
Where to download official NEET syllabus?	From nta.ac.in or neet.nta.nic.in — the dedicated NEET portal. Always use the latest NTA notification document, not third-party sources.