

Most Important Chapters For NEET 2024

Learn 50% Syllabus and Score Upto 100%

Welcome to the ultimate e-guide of Vedantu for NEET 2024 most important Topics! What are you going to get from our e-guide that makes up 50% of the syllabus?

- Chapter-wise NEET Questions and answers from previous 20-plus years for Important Chapters along with the number of questions asked.
- Chapter-wise Revision Notes for all the subjects (Biology, Physics, and Chemistry) along with the weightage of each topic.
- Last 10 Years NEET Previous year Question Papers with Solutions.

Let's dive into the key chapters and embark on your journey to NEET success!

Zoology Chapters For NEET 2024 and Numer of Questions

NEET 2024 Zoology Important Chapters	Important Topics	Average No. Of Questions
Animal/Human Physiology	<ul style="list-style-type: none"> • All topics specifically diagrams are very important 	10
Biotechnology	<ul style="list-style-type: none"> • Process and applications • BT cotton, RNAi, Human insulin, Gene therapy, molecular diagnostics 	7

Reproduction in animals	<ul style="list-style-type: none"> • Gametogenesis in humans • Reproductive structures in animals • Menstrual cycle 	6
Structural organization in animals	<ul style="list-style-type: none"> • Animals tissues and their functions, specifically epithelial tissues 	4
Biology in human welfare	<ul style="list-style-type: none"> • Human immunity • AIDS, Cancer • Drugs 	1

Botany Chapters For NEET 2024 and Number of Questions

NEET 2024 Botany Important Chapters	Important Topics	Average No. Of Questions
Plant physiology	<ul style="list-style-type: none"> • C₃, C₄ cycle • Kranz anatomy • Glycolysis and Krebs cycle • ETS complexes • Photoperiodism • Transpiration pull • Bulk movement in Phloem 	8

	<ul style="list-style-type: none"> • Mineral deficiency & Nitrogen cycle 	
Genetics & evolution	<ul style="list-style-type: none"> • Dihybrid cross, linkage • Codominance • Pedigree analysis • Genetic disorders • Darwinism and natural selection • Human evolution 	7
Plant Kingdom	<ul style="list-style-type: none"> • Questions from different types of algae and their pigments • General characters of pteridophytes and gymnosperms 	6
Ecology and environment	<ul style="list-style-type: none"> • Environmental issues • Biogeochemical cycles • Population interactions • Adaptations • Succession 	6
Structural organization in plants	<ul style="list-style-type: none"> • Root, stem, and leaf anatomy 	5
Cell: Structure & Functions	<ul style="list-style-type: none"> • Mycoplasma, nucleus, chromosomes, ribosomes, chloroplast, and mitochondria 	5

	<ul style="list-style-type: none"> • Meiosis - Prophase I 	
Reproduction in plants	<ul style="list-style-type: none"> • Gametogenesis in plants • Reproductive structures in plants • Polyembryony, Parthenocarpy, apomixis 	4

Biology Chapters for NEET: Important Topics and Chapter-Wise Weightage For Class XI

Class	Biology Important Chapters For NEET 2024	Weightage
XI	Human Physiology	20%
XI	Diversity of the Living World	14%
XI	Structural Organisation in Animals and Plants	9%
XI	Plant Physiology	6%
XI	Cell Structure and Function	5%

Biology Chapters for NEET: Important Topics and Chapter-Wise Weightage For Class XII

Class	Biology Important Chapters For NEET 2024	Weightage
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XII	Genetics and Evolution	18%
XII	Ecology and Environment	12%
XII	Reproduction	9%
XII	Biology in Human Welfare	4%
XII	Biotechnology and Its Applications	3%

Chemistry Important Chapters for NEET and Number of Questions

NEET 2024 Chemistry Important Chapters	Important Topics	Average No. Of Questions
Some basic principles of Organic chemistry	<ul style="list-style-type: none"> • Mole Concept And Molar Masses • Stoichiometry, • Stoichiometric Calculations 	3
Atomic structure	<ul style="list-style-type: none"> • Bohr model for the hydrogen atom • Quantum mechanical model of the atom 	2

Chemical bonding and molecular structure	<ul style="list-style-type: none"> • Valence Bond theory • Hybridisation • The valence shell electron pair repulsion theory 	2
Equilibrium	<ul style="list-style-type: none"> • Ionization of acids and bases • Solubility Equilibria of sparingly soluble salts 	2
Coordination compounds	<ul style="list-style-type: none"> • Bonding in coordination compounds • Stability of coordination compounds 	2
Organic chemistry: Some basic principles and techniques	<ul style="list-style-type: none"> • Isomerism and fundamental concepts in the organic reaction mechanism 	2
Alcohols, Phenols, and Ethers	<ul style="list-style-type: none"> • Properties of alcohols and properties of phenols 	2
Solutions	<ul style="list-style-type: none"> • Ideal and non-ideal solutions • Colligative properties 	1

Chemistry Most Important Chapters For NEET and Chapter-Wise Weightage For Class XI

Class	Chemistry Important Chapters For NEET 2024	Weightage
Physical Chemistry Chapters for NEET		
XI	Some Basic Concepts of Chemistry	5%
XI	Chemical Equilibrium	4%
XI	Gaseous State	3%
XI	Thermodynamics and Thermochemistry	3%
XI	Redox Reactions	2%
Organic Chemistry Chapters for NEET		
XI	General Organic Chemistry	5%
XI	Hydrocarbons	4%
XI	Alkyl Halide, Alcohol & Ether	4%
XI	IUPAC & Isomerism	4%

XI	Environmental chemistry	2%
Inorganic Chemistry Chapters for NEET		
XI	Chemical Bonding	9%
XI	p-block	7%
XI	Periodic Table & Periodicity in Properties	4%
XI	d-block & f-block Elements	4%
XI	s-block	3%
XI	Hydrogen	2%
XI	Qualitative Analysis	2%

Chemistry Most Important Chapters For NEET and Chapter-Wise Weightage For Class XII

Class	Chemistry Important Chapters For NEET 2024	Weightage
Physical Chemistry Chapters for NEET		
XII	Chemical Kinetics	4%

XII	Solution & Colligative Properties	4%
XII	Atomic Structure & Nuclear Chemistry	3%
XII	Electrochemistry	3%
XII	Solid State	3%
XII	Surface Chemistry	2%
Organic Chemistry Chapters for NEET		
XII	Aromatic Compounds	6%
XII	Biomolecules	4%
XII	Carbonyl Compounds	4%
XII	Aldehydes, Ketones, and Carboxylic Acids	3%
XII	Organic Compounds containing nitrogen	3%
XII	Chemistry in Everyday Life	3%
XII	Haloalkane	2%

XII	Polymer	2%
XII	Practical Organic Chemistry	2%
Inorganic Chemistry Chapters for NEET		
XII	Coordination Compounds	6%
XII	Metallurgy	2%

Physics Most Important Chapters for NEET and Number of Questions

Important Chapters For NEET Physics 2024	Important Topics	Average No. Of Questions
Mechanics	<ul style="list-style-type: none"> ● Gravity ● Law of Motion ● Kinematics ● Oscillations ● Units and Dimensions ● Mechanics of Solid and Fluid ● Work, Power, and Energy 	16

	<ul style="list-style-type: none"> • Waves • System of Particle and Rotational Motion 	
Electricity	<ul style="list-style-type: none"> • Ohm's law, electrical resistance, V-I characteristics (linear and nonlinear) • Internal resistance of a cell, potential difference and emf of a cell, combination of cells in series and in parallel • Kirchhoff's laws and simple applications • Potentiometer principle and applications to measure potential difference 	10
Magnetism	<ul style="list-style-type: none"> • Electric capacitance and potential • Electromagnetic wave and its communication system • Moving magnetism and charges 	10

	<ul style="list-style-type: none"> • Electric fields and charges • Magnetism and matter 	
Modern Physics	<ul style="list-style-type: none"> • Radioactive decay of substances • Duals nature of matter • Nuclear fission and fusion • Bohr's model and X-rays 	8
Optics	<ul style="list-style-type: none"> • Rectilinear Propagation of Light • Reflection of Light • Spherical Mirrors • Refraction of Light • Thin Lens • Prism • Chromatic and Monochromatic Aberrations in Lens • Optical Instruments 	4
Heat & Thermodynamics	<ul style="list-style-type: none"> • Laws of thermodynamics • Heat capacity 	2

	<ul style="list-style-type: none"> ● Newton's law of cooling ● Calorimetry ● Reversible and irreversible process ● Carnot engine ● Transfer of thermal expansion ● Thermodynamic process 	
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Physics Most Important Chapters For NEET and Chapter-Wise Weightage For Class XI

Class	Physics Important Chapters For NEET 2024	Weightage
XI	Thermodynamics	9%
XI	Motion of System of Particles and Rigid Body	5%
XI	Work, Energy and Power	4%
XI	Properties of Bulk Matter	3%
XI	Kinematics	3%
XI	Laws of Motion	3%

XI	Behaviour of Perfect Gas and Kinetic Theory	3%
XI	Oscillation and Waves	3%
XI	Physical World and Measurement	2%
XI	Gravitation	2%

Physics Most Important Chapters For NEET and Chapter-Wise Weightage For Class XII

Class	Physics Important Chapters For NEET 2024	Weightage
XII	Optics	10%
XII	Electronic Devices	9%
XII	Electrostatics	9%
XII	Current Electricity	8%
XII	Electromagnetic Induction and Alternating Current	8%
XII	Dual Nature of Matter and Radiation	6%

XII	Electromagnetic waves	5%
XII	Magnetic Effect of Current and Magnetism	5%
XII	Atoms and Nuclei	3%

NEET Previous Year Question Paper for Last 10 Years

Sl. No	Year of Question Paper
1.	NEET 2023
2.	NEET 2022
3.	NEET 2021
4.	NEET 2020
5.	NEET 2019
6.	NEET 2018
7.	NEET 2017
8.	NEET 2016
9.	NEET 2015
10.	NEET 2014