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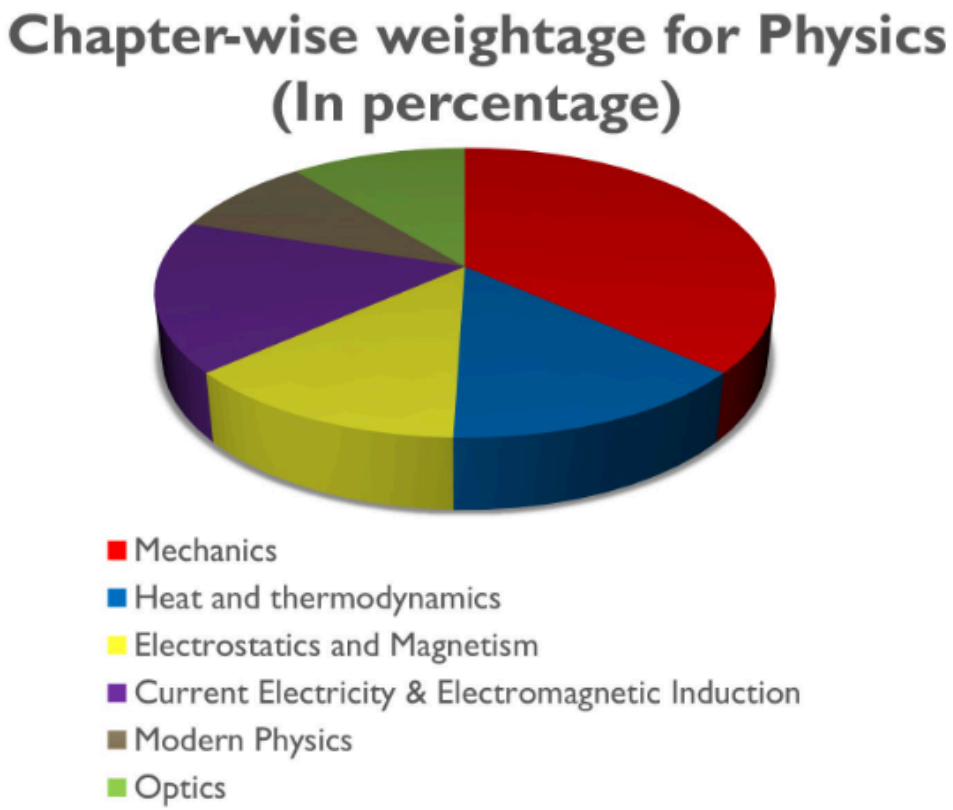
NEET 2025 Chapter-wise Weightage of Physics



Class – XI

Topic	Average no. of questions asked	Weightage
Laws of Motion	3	7%

Thermodynamics	3	7%
Motion of System of Particles and Rigid Body	3	7%
Work, Energy and Power	2	4%
Waves	2	4%
Properties of Bulk Matter	1	3%
Gravitation	2	3%
Mechanical Properties of Solids & Fluids	2	3%
Oscillations	1	3%
Kinetic Theory	1	2%
Kinematics (Motion in a straight line, Motion in a Plane)	1	2%
Thermal Properties of Matter	1	2%
Units and Measurement	1	2%

Rotational motion (System of Particles and Rotational Motion)	1	1%
Center of Mass (System of Particles and Rotational Motion)	1	1%

Class – XII

Current Electricity	3	6%
Magnetic Effects of Current & Magnetism	3	6%
Semiconductor Electronics: Materials, Devices and Simple Circuits	3	6%
Atoms & Nuclei	2	5%
Ray Optics & Optical Instrument	3	5%
Wave optics	2	4%

Dual Nature of Radiation and Matter	2	4%
Electrostatics	1	3%
Alternating Currents	1	3%
Electric Charges & Fields	1	2%
Electrostatic Potential & Capacitance	1	2%
Electromagnetic Induction	1	2%
Electromagnetic Waves	1	1%

TOPIC WISE WEIGHTAGE FOR PHYSICS IN EACH CHAPTER

Physics Chapters and Topics	Average No. of Questions from the chapter	Weightage of the chapter and topic
Alternating Current • Average Peak & RMS Values • Transformer • Power consumed in an AC Circut	3 • 1 • 1 • 1	6% • 2% • 2% • 2%
Capacitance • Combination of Capacitors • Circuits with capacitor and use of KCL and KVL	4 • 2 • 2	8% • 4% • 4%
Centre of Mass • Collision	1 • 1	2% • 2%
Circular Motion Circular Motion in Horizontal Plane	1 • 1	2% • 2%

Current Electricity • Battery, emf, terminal Voltage, KCL and KVL • Combination of Resistance	2 • 1 • 1	4% • 2% • 2%
Electro Magnetic Field • Magnetic field due to a circular loop • Properties of magnetic material • Magnetic field due to a cylinder, large sheet, solenoid, toroid and ampere's law • Magnetic force and torque on a current carrying loop and magnetic dipole moment	5 • 1 • 1 • 1 • 2	10% • 2% • 2% • 2% • 4%
Electro Magnetic Induction • Lenz's law	1 • 1	2% • 2%
Electrostatics • Dipole • Potential Energy of a System of Point Charge	2 • 1 • 1	4% • 2% • 2%

Gravitation • Kepler's law for Satellites, Orbital speed and Escape speed • Gravitational Potential Energy and Self Energy	2 • 1 • 1	4% • 2% • 2%
Modern Physics • Photoelectric Effect • De–Broglie wave (Matterwaves) • Electronic Transition in the h/h-Like Atom	3 • 1 • 1 • 1	6% • 2% • 2% • 2%
Nuclear Physics • Properties of Nucleus • Statistical Law of Radioactive Decay	2 • 1 • 1	4% • 2% • 2%
Rigid Body Dynamics • Moment of inertia • Rotation about Fixed Axis (Energy Conservation)	2 • 1 • 1	4% • 2% • 2%
Surface Tension	1 • 1	2% • 2%

• Surface tension, Surface energy and capillary rise		
Wave Optics • Polarisation • YDSE with Monochromatic light	2 • 1 • 1	4% • 2% • 2%
Projectile Motion • Equation of Trajectory	1 • 1	2% • 2%
Laws of Motion • Type of forces, Newton's third law, free body diagram	1 • 1	2% • 2%
KTG and Thermodynamics • Kinetic Theory of Gases • Calculation of work	2 • 1 • 1	4% • 2% • 2%
Solid and Semiconductor • Logic Gates • Diodes	4 • 2 • 2	8% • 4% • 4%

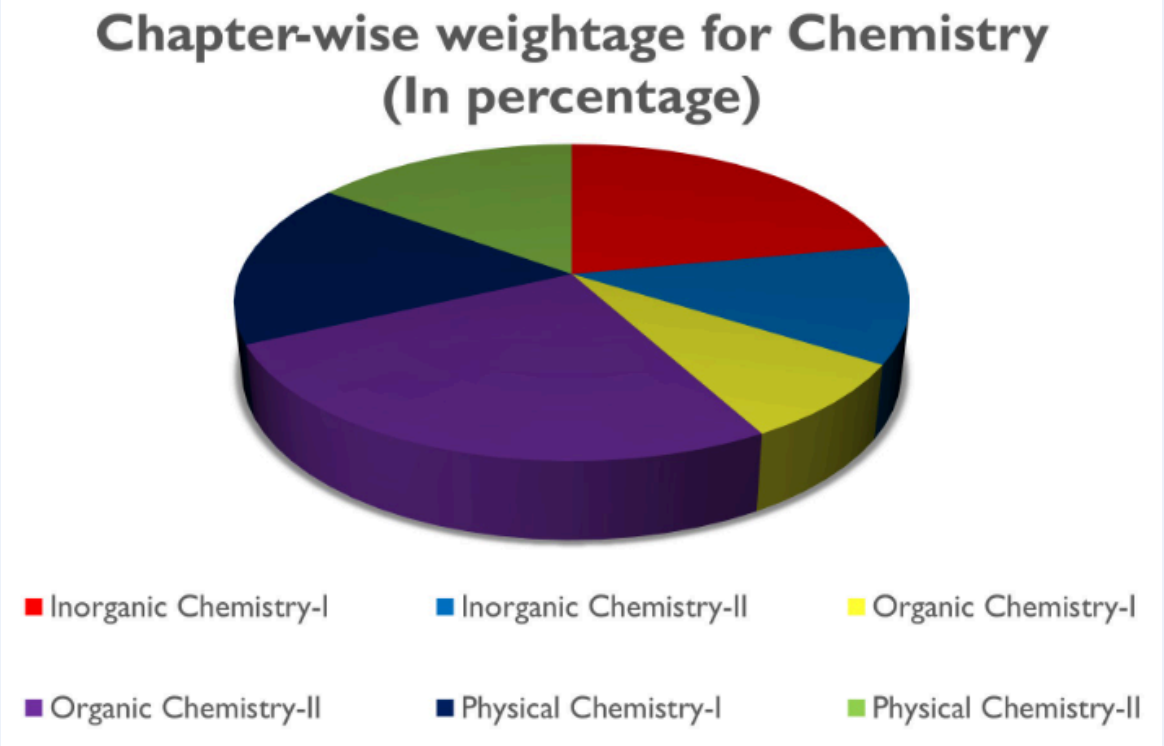
Measurement Error • Measurement Error	1 • 1	2% • 2%
Geometrical Optics • Refraction by Prism • Optical Instrument	2 • 1 • 1	4% • 2% • 2%
Electromagnetic Waves • Electromagnetic Waves	1 • 1	2% • 2%
Rectilinear Motion • Graph-based questions	1 • 1	2% • 2%
Work, Power, Energy • Power	1 • 1	2% • 2%
Simple Harmonic Motion • Equation of SHM • Simple Pendulum	2 • 1 • 1	4% • 2% • 2%
Calorimetry and Thermal Expansion	1 • 1	2% • 2%

• Thermal Expansion		
Unit and Dimension • Thermal Expansion	2 • 2	4% • 4%

NEET Chemistry Chapter Wise Weightage

The Chemistry segment of the NEET exam comprises 45 questions, with each of its three subsections—Inorganic Chemistry, Organic Chemistry, and Physical Chemistry—receiving approximately equal emphasis.

The Chemistry NEET weightage is outlined in the table given below:



Chemistry Chapters and Topics	Average Number of Questions	Average Weightage (%)
Inorganic Chemistry-I		**22%**
Chemical Bonding	4	8%
p-block	3	6%
Periodic Table & Periodicity in Properties	2	4%
Hydrogen	1	2%
s-block	1	2%
Inorganic Chemistry-II		**12%**
Coordination Compounds	2	5%
d-block & f-block Elements	2	3%
Metallurgy	1	2%
Qualitative Analysis	1	2%

Organic Chemistry-I		**7%**
General Organic Chemistry, Practical Organic Chemistry	2	4%
Hydrocarbons	2	3%
Organic Chemistry-II		**27%**
Aromatic Compounds	3	6%
Haloalkane, Alkyl Halide, Alcohol & Ether	2	3%
Biomolecules, Polymer	2	3%
Carbonyl Compounds	2	3%
IUPAC & Isomerism	2	3%
Aldehydes, Ketones and Carboxylic Acids	2	3%
Organic Compounds containing nitrogen	2	3%

Chemistry in Everyday Life, Environmental chemistry,	2	3%
Physical Chemistry-I		**17%**
Mole Concept	2	5%
Ionic Equilibrium	2	4%
Atomic Structure & Nuclear Chemistry	1	2%
Chemical Equilibrium, Gaseous State	1	2%
Thermodynamics and Thermochemistry	1	2%
Redox Reactions	1	2%
Physical Chemistry-II		**15%**
Chemical Kinetics	2	4%
Solution & Colligative Properties	2	4%
Electrochemistry	1	3%

Solid State	1	2%
Surface Chemistry	1	2%

CHEMISTRY TOPIC WISE WEIGHTAGE IN EACH CHAPTER

Chemistry Chapters and Topics	Average No. of Questions from the Chapter	Weightage of the Chapter and Topic
Physical Chemistry	20	40%
Chemical Equilibrium • Reaction Quotient and its Applications • KC and KP for Homogeneous Reaction • Degree of dissociation and vapour density	3 • 1 • 1 • 1	6% • 2% • 2% • 2%
Chemical Kinetics • Effect of Temperature, Arrhenius equation	3 • 3	6% • 6%

Electrochemistry • Faradays Law of Electrolysis	2 • 2	4% • 4%
Ionic Equilibrium • Acid-base Titration and Indicator	1 • 1	2% • 2%
Mole Concept • Units, Atoms, Molecules, Atomic mass, Molecular mass, Gram atomic mass, Gram molecular mass, RAM, Average atomic mass • Limiting Reagent (LR) • Percentage composition and Molecular and Empirical formula	3 • 1 • 1 • 1	6% • 2% • 2% • 2%
Solution Colligative Properties • Solutions of Gases in Liquids (Henry's law) • Osmosis and osmotic pressure	2 • 1 • 1	4% • 2% • 2%

Atomic Structure • Quantum Numbers and Electronic configuration • Bohr's Model (Calculation of Radius, velocity and energy)	2 • 1 • 1	4% • 2% • 2%
Redox Reaction • Types of Redox reaction, Balancing of redox reactions, Oxidizing and Reducing agent	1 • 1	2% • 2%
Thermodynamics • Thermodynamic functions and Thermodynamic processes • IInd Law of thermodynamics: Basics of entropy, Entropy calculation for different types of physical process of an ideal gas, chemical reaction • Calculation of ΔE, ΔH, w and θ in different types of physical processes	3 • 1 • 1 • 1	6% • 2% • 2% • 2%
Inorganic Chemistry	14	28%

Chemical Bonding • VSEPR Theory • Polarity of Bond, Dipole Moment	2 • 1 • 1	4% • 2% • 2%
Qualitative Analysis • Vth and VIth Group	1 • 1	2% • 2%
Atomic Structure • Quantum Numbers and Electronic configuration	1 • 1	2% • 2%
Periodic Table • Electronegativity • Ionisation Energy	2 • 1 • 1	4% • 2% • 2%
Coordination Compound • General introduction of complex salts and definitions to be used • Crystal field theory and applications of crystal field theory: (Theory Magnetic moment of complex, Color of complex, Stability of complex) • Isomerism in coordination compounds (Structural Isomerism,	3 • 1 • 1 • 1	6% • 2% • 2% • 2%

Stereoisomerism, Geometrical Isomerism, Optical Isomerism)		
p-block (Nitrogen and Oxygen) • Physical and Chemical properties of Group 15th elements • Compounds of Nitrogen and phosphorus	3 • 1 • 2	6% • 2% • 4%
d-f-Block Element Compound • Ionisation enthalpy, oxidation state, Electrode potential and chemical reactivity • Lanthanoids and actinoids • Electronic configuration, atomic and ionic size, density, melting and boiling points	5 • 1 • 1 • 3	10% • 2% • 2% • 6%
Organic Chemistry	16	32%
Aromatic Compound	1	2%
Aniline	1	2%

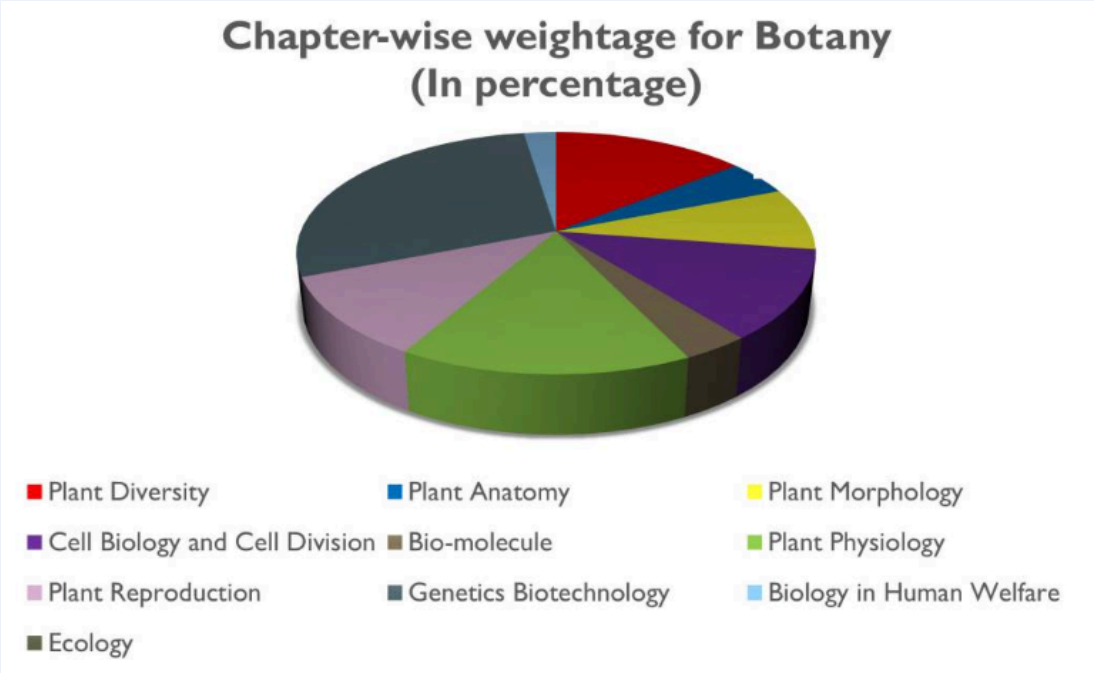
Reaction Mechanism • Nucleophilic Substitution Reaction of Alcohol • Unimolecular nucleophilic substitution reaction of Alkyl Halide (SN1) • Bimolecular nucleophilic substitution reaction of Alkyl Halide (SN2) • Elimination Reaction of Alcohol	4 • 1 • 1 • 1 • 1	8% • 2% • 2% • 2% • 2%
Periodic Table & Periodicity in Properties	2	4%
Biomolecule and Polymer • Carbohydrate: Monosaccharide, Disaccharide, Polysaccharide	1 • 1	2% • 2%
Hydrocarbons • Alkane • Alkene	2 • 1 • 1	4% • 2% • 2%

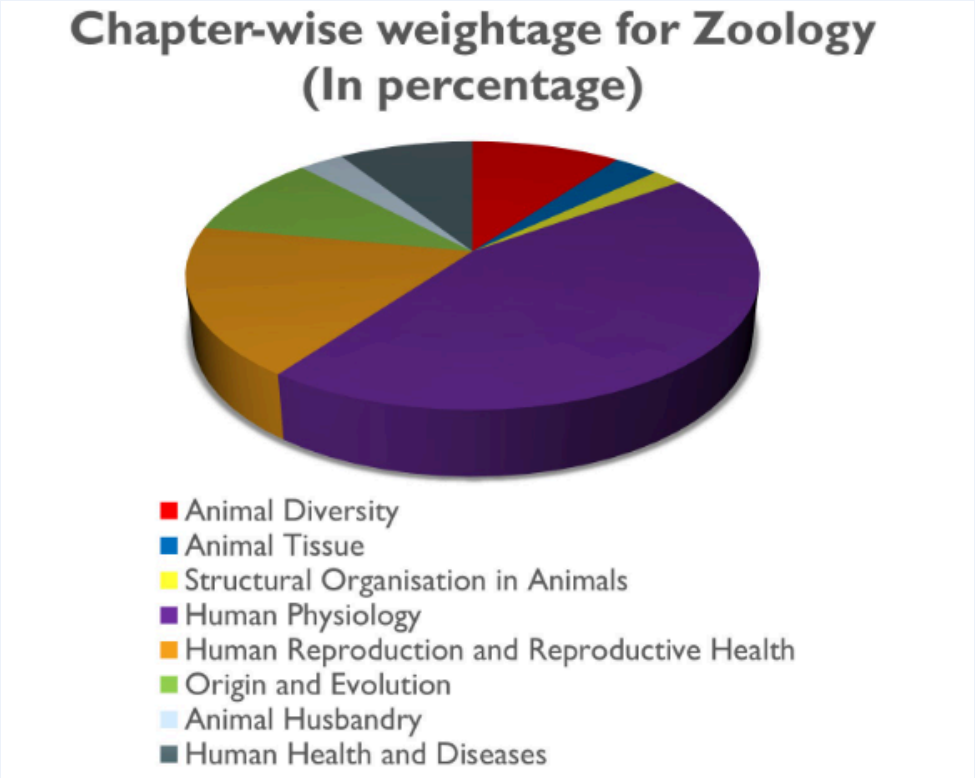
General Organic Chemistry • Acidic Strength • Carbon free radicals and carbocations • Inductive effect	4 • 1 • 1 • 2	8% • 2% • 2% • 4%
Grignard Reagent • Practical Organic Chemistry • Oxidation	4 • 2 • 2	8% • 4% • 4%
IUPAC nomenclature • Fundamental of Organic Chemistry	2 • 2	4% • 4%

NEET Biology Chapter wise Weightage

The NEET exam carries a total of 720 points, and the Biology section constitutes half of this total, accounting for 360 points. To break it down further, the Biology section comprises 90 questions, with 45 questions dedicated to Botany and another 45 to Zoology.

The table below illustrates the distribution of weightage for different chapters within the Biology section of the NEET exam.


Chapter-wise weightage for Botany
(In percentage)
Plant Diversity
Plant Anatomy
Plant Morphology
Cell Biology and Cell Division
Bio-molecule
Plant Physiology
Plant Reproduction
Genetics Biotechnology
Biology in Human Welfare
Ecology


Chapter-wise weightage for Zoology
(In percentage)
Animal Diversity
Animal Tissue
Structural Organisation in Animals
Human Physiology
Human Reproduction and Reproductive Health
Origin and Evolution
Animal Husbandry
Human Health and Diseases

Biology Chapters and Topics	Average Number of Questions	Weightage (%)
Botany		
Genetics and Evolution	15	25%
Ecology and Environment	10	16%
Plant Physiology	8	14%
Plant Diversity	7	12%
Cell Structure & Function	6	10%
Plant Reproduction	5	9%
Morphology of Flowering Plants	4	7%
Plant Anatomy	2	4%
Bio-molecule	2	3%
Total		100%
Zoology		

Human Physiology	13	45%
Human Reproduction & Reproductive Health	5	16%
Animal Kingdom	3	10%
Origin & Evolution	3	10%
Human Health & Diseases	3	9%
Structural Organization in Animals	2	5%
Animal husbandry	1	3%
Biology and Human Welfare	1	2%
Total		100%

Biology topic wise weightage in each chapter

Biology Chapters and Topics	Average No. of Questions from the Chapter	Weightage of the Chapter and Topic

Botany	50	100%
Cell Biology • Cell Division • Nucleus • Plastids	4 • 2 • 1 • 2	8% • 4% • 2% • 4%
Ecology-Biodiversity and Conservation • Introduction, Level of biodiversity, Pattern of biodiversity, Loss of biodiversity • Conservation of biodiversity	5 • 4 • 1	10% • 8% • 2%
Plant Kingdom • Plant Kingdom - Algae	1 • 1	2% • 2%
Genetics - I • Introduction, Mendelism, Monohybrid cross, Dihybrid cross, Back cross, Test cross, Incomplete dominance, Codominance, Multiple allelism, Pleiotropy	4 • 4	8% • 8%

Sexual Reproduction in Flowering Plants • Pollination • Fertilization and embryogenesis, Seed and Polyembryony	3 • 2 • 1	6% • 4% • 2%
Ecology-Ecosystem • Productivity, Decomposition, Energy flow, Food chain, Food web, Ecological pyramids	1 • 1	2% • 2%
Anatomy of Flowering Plants • Plant Tissues, Tissue Systems	3 • 3	6% • 6%
Biotechnology • Principles of Biotechnology • Applications of Biotechnology in Agriculture • Processes of Biotechnology	4 • 2 • 1 • 1	8% • 4% • 2% • 2%
Morphology of Flowering Plants • Flower	4 • 4	8% • 8%

Plant Physiology - Plant Growth and Growth Hormones • Growth and Development • Introduction, Discovering of PGR, Auxin, Gibberellins and Cytokinins	4 • 2 • 2	8% • 4% • 4%
Plant Physiology-II-Photosynthesis In Higher Plants • Dark Reaction C3-cycle, C4 cycle, Photorespiration, CAM-cycle and Factors	3 • 3	6% • 6%
Genetics-II • DNA Replication, Transcription, Genetic code and Translation • Regulation of gene expression, HGP and DNA fingerprinting	4 • 3 • 1	8% • 6% • 2%
Biomolecule-I • Lipids • Proteins	2 • 1 • 1	4% • 2% • 2%

Ecology-Organisms and Population • Adaptations, Population and Population interactions, Biotic community	1 • 1	2% • 2%
Plant Physiology-II-Respiration in plants • Aerobic respiration-Link reaction and Krebs cycle, Terminal oxidation, Respiratory balance sheet, Amphibolic pathway, Anaerobic respiration-fermentation, Respiratory quotient	2 • 2	4% • 4%
Biomolecule-II • Enzymes	2 • 2	4% • 4%
Biology In Human Welfare • Microbes in Human Welfare	1 • 1	2% • 2%
Biological Classification • Kingdom-Fungi	2 • 2	4% • 4%

Zoology	50	100%
Cell Biology • Cell Division • Plastids • Mitochondria	4 • 2 • 1 • 1	8% • 4% • 2% • 2%
Genetics-I • Introduction, Mendelism, Monohybrid cross, Dihybrid cross, Back cross, Test cross, Incomplete dominance, Codominance, Multiple allelism, Pleiotropy • Mutation, Pedigree analysis, Genetic disorders	2 • 1 • 1	4% • 2% • 2%
Biotechnology • Process of Biotechnology • Applications of Biotechnology in Medicine, Transgenic Animals	4 • 3 • 1	8% • 6% • 2%

Genetics - II • DNA Replication, Transcription, Genetic code and Translation	2 • 2	4% • 4%
Ecology-Organisms and Population • Adaptations, Population and Population interactions, Biotic community	1 • 1	2% • 2%
Biomolecule - II • Enzymes	2 • 2	4% • 4%
Body fluids and circulation • Heart and conduction • Blood pressure, ECG	2 • 1 • 1	4% • 2% • 2%
Animal Kingdom - I • Porifera • Arthropoda	3 • 1 • 2	6% • 2% • 4%

Human Reproduction and Reproductive Health • Reproductive Health • Female Reproductive System • Gametogenesis, Reproductive cycles • Fertilization, Embryonic, development	7 • 2 • 2 • 2 • 1	14% • 4% • 4% • 4% • 2%
Excretory Products and Their Elimination • Uriniferous tubule/Nephrons	2 • 2	4% • 4%
Neural Control and Coordination • CSF, Brain covering, Brain Cavity • Brain and Spinal cord	2 • 1 • 1	4% • 2% • 2%
Locomotion and Movement • Muscles • Joints	2 • 1 • 1	4% • 2% • 2%

Biology In Human Welfare-Human Health and Disease • Diseases caused by virus • Diseases caused by bacteria • Immune System and Common Human Disease • Drug addiction	5 • 1 • 1 • 2 • 1	10% • 2% • 2% • 4% • 2%
Breathing and Exchange of Gases • Respiratory volume and capacity • Exchange and transport of gases	2 • 1 • 1	4% • 2% • 2%
Origin and Evolution • Evidences of Evolution • Theories of Evolution	4 • 1 • 3	8% • 2% • 6%
Chemical Coordination and Integration • Mode of action of Hormones • Thyroid gland	2 • 1 • 1	4% • 2% • 2%

Structural Organisation in Animal • Epithelial tissue	1 • 1	2% • 2%
Animal Kingdom - II • Chordarta • Cyclostomata/Pisces	3 • 1 • 2	6% • 2% • 4%