

MODULUS PRESENTS

MSET

Modulus Scholastic Evaluation Test — NEET Foundation Track

*A scholarship-linked aptitude & foundation-level assessment in Mental Ability & Basic Mathematics, Biology, Physics and Chemistry
— for students preparing for a future NEET attempt.*

2h 15m DURATION	10:00–12:15 EXAM SLOT	60 QUESTIONS	240 MAX MARKS
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SECTION 01

Question Break-Up

15 questions per subject, evenly weighted across all four sections.

S.NO.	SUBJECT	NO. OF QUESTIONS
1	Mental Ability & Basic Mathematics	15
2	Biology	15
3	Physics	15
4	Chemistry	15
	Total	60

SECTION 02

Marking Scheme

Correct Answer: +4 marks · Incorrect Answer: –1 mark · Unattempted / Other Case: 0 marks

SECTION 03

Registration

Registration Fee — ■ 500/-

To get the Sample Paper, Solutions & Answer Key

WhatsApp "Sample paper for MSET NEET" to 8019170707, 8019270707 or 8019370707

NEET-track distinction: Mathematics is replaced with Biology (Class 10 CBSE syllabus), while Basic Mathematics is integrated into Mental Ability as a lighter, Class-10-only component. Physics and Chemistry remain unchanged from the JEE-track syllabus at this stage.

SECTION 04

Detailed Syllabus — With Sub-Topics

Mental Ability & Basic Mathematics

General Mental Ability	VERBAL Number, Alphabet & Alphanumeric Series · Analogy · Classification (Odd One Out) · Coding–Decoding · Blood Relations · Direction Sense Test · Ranking & Order · Logical & Statement–Conclusion Reasoning · Venn Diagrams · Mathematical Operations (Symbol Substitution) NON-VERBAL Mirror & Water Images · Figure Series & Pattern Completion · Embedded Figures · Paper Cutting & Folding
Basic Mathematics (Class 10 Only)	Real Numbers — Euclid's Division Lemma, HCF/LCM · Polynomials — Zeros & Coefficients · Pair of Linear Equations in Two Variables · Quadratic Equations — Factorisation & Formula · Arithmetic Progressions · Triangles — Similarity & Basic Proportionality · Coordinate Geometry — Distance & Section Formula · Introduction to Trigonometry & Applications (Heights & Distances) · Circles — Tangents · Areas Related to Circles · Surface Areas & Volumes · Statistics (Mean, Median, Mode) · Probability — Basic Problems Restricted strictly to Class 10 CBSE Mathematics — no Class 11/12 or engineering-entrance-level extensions.

Biology

Life Processes	Nutrition — Autotrophic & Heterotrophic, Human Digestive System · Respiration — Aerobic & Anaerobic, Human Respiratory System · Transportation — Circulatory System in Humans, Transport in Plants (Xylem & Phloem) · Excretion — Human Excretory System, Nephron Structure
Control and Coordination	Nervous System in Humans — Neuron Structure & Reflex Action · Human Brain — Structure & Function · Coordination in Plants — Tropisms & Plant Hormones · Hormones in Animals — Endocrine Glands & Their Functions
How Do Organisms Reproduce?	Modes of Asexual Reproduction — Fission, Budding, Fragmentation, Regeneration, Vegetative Propagation · Sexual Reproduction in Plants — Flower Structure & Pollination · Human Reproductive System — Male & Female · Reproductive Health & Contraception
Heredity and Evolution	Mendel's Laws of Inheritance & Monohybrid/Dihybrid Crosses · Sex Determination in Humans · Evolution & Speciation — Basic Concepts · Evidence for Evolution & Human Evolution (Overview)
Our Environment	Ecosystem — Components, Food Chains & Food Webs · Ozone Layer & Its Depletion · Waste Management — Biodegradable & Non-Biodegradable

Physics

Kinematics (One-Dimensional Motion Only)	Distance & Displacement · Speed & Velocity — Uniform & Non-Uniform · Acceleration · Algebraic Equations of Motion ($v=u+at$, $s=ut+\frac{1}{2}at^2$, $v^2=u^2+2as$) · Distance–Time & Velocity–Time Graphs · Motion Under Gravity (Free Fall) Excludes calculus-based treatment and two-dimensional / projectile motion.
Current Electricity	Electric Current & Circuit Diagrams · Potential Difference & Ohm's Law · Resistance & Factors Affecting It · Series & Parallel Combination of Resistors · Heating Effect of Current (Joule's Law) · Electric Power & Commercial Units of Energy
Electromagnetism	Magnetic Field & Field Lines · Field Due to a Current-Carrying Conductor · Right-Hand Thumb Rule · Force on a Current-Carrying Conductor (Fleming's Left-Hand Rule) · Electric Motor · Electromagnetic Induction & Fleming's Right-Hand Rule · Electric Generator · Domestic Electric Circuits
Human Eye	Structure & Function of the Eye · Power of Accommodation · Defects of Vision — Myopia, Hypermetropia, Presbyopia · Correction Using Lenses
Ray Optics	Reflection & Spherical Mirrors (Concave/Convex) · Mirror Formula & Magnification · Refraction of Light & Refractive Index · Refraction Through Spherical Lenses · Lens Formula & Power of a Lens

Chemistry

Atomic Structure	Discovery of Electron, Proton & Neutron · Thomson, Rutherford & Bohr Models · Atomic Number & Mass Number · Isotopes & Isobars · Electronic Configuration & Valency
Chemical Bonding	Ionic (Electrovalent) Bonding · Covalent Bonding · Properties of Ionic & Covalent Compounds · Octet Rule & Basic Lewis Structures
Acid, Bases & Salt	Properties & Reactions of Acids and Bases · pH Scale & Indicators · Neutralisation Reaction · Common Salts — Washing Soda, Baking Soda, Bleaching Powder, Plaster of Paris
Chemical Reaction & Equations	Writing & Balancing Chemical Equations · Types of Reactions — Combination, Decomposition, Displacement, Double Displacement · Oxidation & Reduction · Corrosion & Rancidity

Carbon & Its Compounds

Covalent Bonding & Catenation · Saturated & Unsaturated Hydrocarbons · Homologous Series & Nomenclature · Chemical Properties — Combustion, Oxidation, Addition, Substitution · Ethanol & Ethanoic Acid · Soaps & Detergents