

XI Studying Class (Engineering) - Physics - 10, Chemistry - 10, Maths - 15

XI Studying Class (Medical) - Physics - 15, Chemistry - 15, Biology - 30

Test Duration- 1 Hrs. (No negative marking)

For Class X Studying Students

Physics: Electricity, Magnetic Effects of Electric Current

Chemistry: Chemical Reactions and Equations, Acids, Bases and Salts, Metals and Non-Metals.

Biology: Life Processes - Nutrition, Respiration, Transportation, Excretion; Control and Coordination in Animals and Plants.

Mathematics: Pair of Linear Equations in Two Variables, Quadratic Equations, Trigonometric Ratios and Identities, Similar Triangles, Real Numbers.

Mental Ability: Verbal & Non Verbal Reasoning – Series, Analogy, Classification, Coding and Decoding, General Logical and Analytical Reasoning, Problems based on Figures, Data Interpretation.

For Class XI (Engineering) Studying Students

Physics: Physical World and Measurement, Kinematics, Laws of Motion, Work Energy Power, Motion of System of Particles & Rigid Body, SHM, Waves.

Chemistry: Full Syllabus of Class X, Some basic concept of Chemistry (Unit - 1) NCERT XI, Structure of Atom (Unit - 2) NCERT XI, Classification of Elements and Periodicity in Properties (Unit - 3) NCERT XI, Chemical Bonding and Molecular Structure (Unit - 4) NCERT XI, States of Matter (Unit - 5) NCERT XI, Organic Chemistry : Some Basic Principles and Techniques (Unit - 12) NCERT XI.

Mathematics: Sets, Relation and Functions (Elementary Function and their Domain, Range), Trigonometric functions & Solutions of Triangle (including trigonometric equations), Quadratic Equations, Linear Inequalities, Permutations and Combinations, Binomial Theorem, Sequence & Series, Straight Line, Circle.



For Class XI (Medical) Studying Students

Physics: Rectilinear Motion, Relative Motion, Friction, Circular Motion, Projectile Motion, Newton's Laws of Motion, Work Power Energy, Centre of Mass.

Chemistry: Full Syllabus of Class X, Some basic concept of Chemistry (Unit - 1) NCERT XI, Structure of Atom (Unit - 2) NCERT XI, Classification of Elements and Periodicity in Properties (Unit - 3) NCERT XI, Chemical Bonding and Molecular Structure (Unit-4) NCERT XI, States of Matter (Unit - 5) NCERT XI, Organic Chemistry : Some Basic Principles and Techniques (Unit - 12) NCERT XI.

Botany: Cell Biology, Plant Diversity, Plant Morphology, Living World, Plant Kingdom, Plant Anatomy.

Zoology: Animal Kingdom – General Account & Non Chordates including Protozoa, Animal Kingdom - Chordates, Biomolecules, Digestion & Absorption, Breathing and Exchange of Gases, Structural Organization in Animals.

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