
Class: 9th (Moving 10th)

SYLLABUS

Physics: **Term – I:** Motion, Force & Law of Motion, Gravitation (half).

Term – II: Work, Power & Energy, Sound.

Chemistry: **Term – I:** Matter in our surroundings, Is matter around us pure.

Term – II: Atoms & Molecule, Structure of Atom.

Biology: **Term – I:** Cell, Tissues

Term – II: Diversity in living organisms, Why do we fall ill?

Mathematics: **Term – I:** Number system, Polynomials, Co-ordinate Geometry, Linear Equations in Two variables, Lines and Angles, Introduction to Euclid's Geometry, Triangles

Term – II: Quadrilaterals, Circles, Heron's Formula, Surface Areas and volumes, Statistics, Probability

Mental Ability: Alphabet Test, Coding-Decoding, Number Series, Alphabet Series, Letter Series, Missing Term in Figures, Puzzle Test, Classification, Pyramid Test, Figure Partition & Counting, Direction sense, Sitting Arrangement, Blood Relation

Class: 10th (Moving 11th)

SYLLABUS

Physics: **Term – I:** Electricity, Magnetic Effect of electric current.

Term – II: Light-Reflection and Refraction Human Eye and Colourful world.

Chemistry: **Term – I:** Chemical Reactions and Equations, Acids, Basis and Salts.

Term – II: Carbon and its compound periodic, Classification of Elements.

Biology: **Term – I:** Life process control & co-ordination, Our environment.

Term – II: How do organisms Reproduction Heredity and Evolution, Management & Natural Resources.

Mathematics: **Term – I:** Real Number, Polynomials, Pairs of linear equation in two variables, Quadratic Equation, Arithmetic progression, Triangles, Co-ordinate Geometry, Probability

Term – II: Introduction to Trigonometry, Some Application of Trigonometry, Circles, Area related to circles, Surface areas of volume, Statistics

Mental Ability: Alphabet Test, Coding-Decoding, Number Series, Alphabet Series, Letter Series, Missing Term in Figures, Puzzle Test, Classification, Pyramid Test, Figure Partition & Counting, Direction sense, Sitting Arrangement, Blood Relation

Class: 11th JEE (Moving 12th)

SYLLABUS

Physics: Motion in 1D and 2D, Newton's law of motion and friction, Work, energy and power, Circular motion, Centre of mass and collision, Rotational mechanics

Chemistry: Mole concept, Periodic Table, Atomic Structure, Gaseous State, Chemical Equilibrium.

Mathematics: Sets, Relation & Functions, Trigonometry, Ratio and Identities, Trigonometric Equation, Quadratic Equation and Complex numbers, Sequence and Series, Binomial theorem, Permutation and Combination, Straight Lines, Conic Section.

Class: 11th NEET (Moving 12th)

SYLLABUS

Physics: Motion in 1D and 2D, Newton's law of motion and friction, Work, energy and power, Circular motion, Centre of mass and collision, Rotational mechanics

Chemistry: Mole concept, Periodic Table, Atomic Structure, Gaseous State, Chemical Equilibrium.

Biology: The Living world, Biological Classification, Plant Kingdom, Morphology of Flowering Plants, Cell: The unit of life, Cell : Cycle and cell division, Photosynthesis in higher plants, Respiration in plants, Plant growth and development.

Class: 12th NEET

SYLLABUS

Physics: Electrostatic and capacitance, Current electricity, Magnetic effects of current and magnetism, Electromagnetic induction, Alternating current, Optics

Chemistry: The solid state, Solutions, Electrochemistry, Chemical kinetics, Surface Chemistry, General principles and processes of Isolation of Elements, The p-block elements, The d-block and f-block elements, Coordination compounds, Haloalkanes and Haloarenes, Alcohol, phenol and ethers, Aldehydes, ketones & Carboxylic acids, Amines, Biomolecules, Polymers, Chemistry in Everyday life.

Biology: Reproduction in Flowering plants, Human Reproduction, Reproduction Health, Principle of Inheritance and Variations, Molecular basis of Inheritance, Microbes In Human Welfare, Organism and Population, Biodiversity and Conservation, Biotechnology Principle and Processes, Biotechnology and Its applications.
