

CLASS VII SYLLABUS

Chemistry: The Ever Evolving World of Science, Exploring Substances: Acidic, Basic and Neutral, The World of Metals and Non-metals
Biology: Adolescence: A Stage of Growth and Change, Life Processes in Animals
Physics: Electricity: Circuits and Their Components, Heat Transfer in Nature, Measurement of Time and Motion
Mathematics: Large Numbers Around Us, Arithmetic Expressions, A Peek Beyond the Point, Expressions Using Letter Numbers, Parallel and Intersecting Lines, Number Play, A Tale of Three Intersecting Lines, Working with Fractions
Mental Ability: Number Series, Letter Series, Missing Term in Figure, Mathematical Operation, Blood Relation, Mirror Images & Water Images, Figure Completion, Direction Sense

CLASS VIII SYLLABUS

Chemistry: Particulate Nature of Matter, Nature of Matter: Elements, Compounds and Mixtures
Biology: Exploring the Investigative World of Science, The Invisible Living World: Beyond Our Naked Eye, Health: The Ultimate Treasure
Physics: Electricity: Magnetic and Heating Effects, Exploring Forces, Pressure, Winds, Storms, and Cyclones, Light: Mirrors and Lenses
Mathematics: A Square and A Cube, Power Play, A Story of Numbers, Quadrilaterals, Number Play, We Distribute, Yet Things Multiply, Proportional Reasoning-1
Mental Ability: Number Series, Letter Series, Missing Term in Figure, Mathematical Operation, Blood Relation, Mirror Images & Water Images, Figure Completion

CLASS IX SYLLABUS

Chemistry: Exploring Mixtures and Their Separation, Journey Inside Atom
Biology: Cell: The Building Blocks of Life, Tissues in Action
Physics: Describing Motion Around Us, How Forces Affect Motion, Work, Energy, and Simple Machines
Mathematics: Orienting Yourself: The Use of Coordinates, Introduction to Linear Polynomials, The World of Numbers, Exploring Algebraic Identities, I'm Up and Down, and Round and Round, Measuring Space: Perimeter and Area, The Mathematics of Maybe: Introduction to Probability
Mental Ability: Number Series, Letter Series, Missing Term in Figure, Mathematical Operation, Blood Relation, Mirror Images & Water Images, Figure Completion

CLASS X SYLLABUS

Chemistry: Chemical Reactions & Equations, Acids, Bases & Salts, Metals & Non-metals
Biology: Life Processes, Control and Coordination, How Do Organisms Reproduce?
Physics: Light – Reflection & Refraction, Human Eye & the Colorful World, Electricity
Mathematics: Real Numbers, Polynomials, Pair of Linear Equations in Two Variables, Quadratic Equations, Arithmetic Progressions, Triangles, Coordinate Geometry, Trigonometry, Some Applications of Trigonometry
Mental Ability: Number Series, Letter Series, Missing Term in Figure, Mathematical Operation, Blood Relation, Mirror Images & Water Images, Figure Completion

CLASS XI MEDICAL SYLLABUS

Chemistry: Some Basic Concepts of Chemistry, Atomic Structure, Periodic Properties, Chemical Bonding, Thermodynamics
Physics: Units and Measurements, Motion in a Straight Line, Motion in a Plane, Laws of Motion, Work, Energy & Power, System of Particles and Rotational Motion
Botany: The Living World, Biological Classification, Plant Kingdom, Morphology of Flowering Plants, Anatomy of Flowering Plants, Cell: The Unit of Life
Zoology: Biomolecule, Breathing & Exchange of Gases, Body Fluids & Circulation, Excretory Products and Their Elimination, Locomotion and Movement

CLASS XI NON-MEDICAL SYLLABUS

Chemistry: Some Basic Concepts of Chemistry, Atomic Structure, Periodic Properties, Chemical Bonding, Thermodynamics
Physics: Units and Measurements, Motion in a Straight Line, Motion in a Plane, Laws of Motion, Work, Energy & Power, System of Particles and Rotational Motion
Mathematics: Sets, Trigonometric Functions, Quadratic Equations, Sequence & Series, Permutation & Combination, Inequalities, Logarithm

Pattern of Exam

FOUNDATION (CLASS VII, VIII, IX & X)	MEDICAL (CLASS XI)	ENGINEERING (CLASS XI)
Total No. of Questions: 75	Total No. of Questions: 120	Total No. of Questions: 60
Physics: 15	Physics: 30	Physics: 20
Chemistry: 15	Chemistry: 30	Chemistry: 20
Biology: 15	Biology: 60	Math: 20
Math: 15		
Mental Ability: 15		

There will be multiple choice questions with Marking scheme: +4 for correct answer & -1 mark for wrong answer.

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