

# EXAM PATTERN AND SYLLABUS 2025

Subject	Class 5 <sup>th</sup>	Class 6 <sup>th</sup>	Class 7 <sup>th</sup>	Class 8 <sup>th</sup>	Class 9 <sup>th</sup>	Class 10 <sup>th</sup>
Physics	» Solid, Liquid & Gas	» Sorting Materials into Groups Separation of Substances	» Motion & Time » Electric Current & its Effects	» Force & Pressure » Friction » Sound	» Motion » Force & laws of motion	» Light – reflection & refraction » Human eye & colourful world
Chemistry	-	» Fibre to Fabric Changes Around Us	» Acids, Bases & Salts » Physical Changes & Chemical Changes	» Coal & Petroleum » Combustion & Flame	» Matter in our surrounding » Is matter around us pure	» Chemical Reactions & Equations » Acids, bases & salts
Biology	-	» Components of Food » Getting to Know Plants	» Nutrition in Plants » Nutrition in Animals » Respiration in Organisms » Transportation in Plants & Animals » Plant Reproduction Forests: Our Lifeline	» Crop Production & Management » Microorganisms – friend and foe	» The fundamental unit of life » Tissues	» Life processes » Control & coordination
Maths	» Prime Number » Composite Number » Divisibility Rule » Prime factorisation HCF & LCM	» Knowing Our Numbers » Whole Numbers » Playing with Numbers » Basic Geometrical Ideas » Understanding Elementary Shapes	» Integers » Fractions & Decimals » Data Handling » Simple Equations » Line & Angles » The Triangle & its Properties » Congruence of Triangles » Comparing Quantities	» Rational Numbers » Linear Equations in One Variable » Understanding Quadrilaterals » Data Handling » Squares & Square Roots » Cubes & Cube Roots » Comparing Quantities	» Number systems » Polynomials » Coordinate geometry » Linear equations in two variables » Introduction to Euclid's geometry » Lines & angles	» Real numbers » Polynomials » Pair of Linear equations in two variables » Quadratic equations » Arithmetic progressions » Triangles » Coordinate geometry
Mental Ability	» Direction Test » Mathematical Operations » Missing Character	» Series, Direction Test » Mathematical Operations » Missing Character » Puzzles » Mirror & Water Image	» Verbal Series (Number & Letter) » Alphabet Test » Ranking & Order » Direction Sense » Coding – Decoding » Calendar » Blood Relations » Mathematical Operations » Seating Arrangement	» Verbal Series (Number & Letter) » Alphabet Test » Ranking & Order » Direction Sense » Coding – Decoding » Calendar » Blood Relations » Mathematical Operations » Seating Arrangement	» Verbal Series » Non-Verbal Series » Mathematical operations & Diagrammatic puzzles » Direction Sense Test » Blood Relation » Ranking Test » Analytical reasoning » Calendar & Clock » Mirror & Water image » Cubes & Dice » Classification	» Verbal & Non-Verbal (Series, Analogy, Classification) » Direction Sense Test » Coding – Decoding » Blood Relation » Venn diagram » Syllogism » Mathematical operations, Number & Alphabet Test » Diagrammatic puzzles » Ranking & Analytical reasoning » Calendar » Clock & Time » Cubes & Dice » Water & Mirror image » Incomplete & Embedded figures » Transparent paper folding, Paper folding & Cutting

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Medical Aspirants			Engineering Aspirants		
Subject	Class 11 <sup>th</sup>	Class 12 <sup>th</sup>	Subject	Class 11 <sup>th</sup>	Class 12 <sup>th</sup>
<b>Physics</b>	<ul style="list-style-type: none"> <li>» Units &amp; Measurements</li> <li>» Motion in a Straight Line</li> <li>» Motion in a Plane</li> <li>» Laws of Motion</li> <li>» Work, Energy &amp; Power</li> </ul>	<ul style="list-style-type: none"> <li>» Electric Charges &amp; Fields</li> <li>» Electrostatic Potential &amp; Capacitance</li> <li>» Current Electricity</li> <li>» Moving Charges &amp; Magnetism</li> <li>» Magnetism &amp; Matter</li> <li>» Electromagnetic Induction</li> </ul>	<b>Physics</b>	<ul style="list-style-type: none"> <li>» Physical World</li> <li>» Units &amp; Measurements</li> <li>» Motion in a Straight Line</li> <li>» Motion in a Plane</li> <li>» Laws of Motion</li> <li>» Work, Energy &amp; Power</li> </ul>	<ul style="list-style-type: none"> <li>» Electric Charges &amp; Field</li> <li>» Electrostatics Potential &amp; Capacitance</li> <li>» Current Electricity</li> </ul>
<b>Chemistry</b>	<ul style="list-style-type: none"> <li>» Some Basic Concepts of Chemistry</li> <li>» Structure of Atom</li> <li>» Classification of Elements and Periodicity in Properties</li> <li>» Chemical Bonding &amp; Molecular Structure</li> </ul>	<ul style="list-style-type: none"> <li>» Solutions</li> <li>» Electrochemistry</li> <li>» Chemical Kinetics</li> <li>» Haloalkanes &amp; Haloarenes</li> </ul>	<b>Chemistry</b>	<ul style="list-style-type: none"> <li>» Some Basic Concepts of Chemistry</li> <li>» Structure of Atom</li> <li>» Classification of Elements &amp; Periodicity in Properties</li> <li>» Chemical Bonding &amp; Molecular Structure</li> </ul>	<ul style="list-style-type: none"> <li>» Solutions</li> <li>» Electrochemistry</li> <li>» Chemical Kinetics</li> <li>» The d- &amp; f-Block Elements</li> </ul>
<b>Botany</b>	<ul style="list-style-type: none"> <li>» Cell: The Unit of Life</li> <li>» Cell Cycle &amp; Cell Division</li> <li>» The Living World</li> <li>» Biological Classification</li> </ul>	<ul style="list-style-type: none"> <li>» Sexual Reproduction in Flowering Plants</li> <li>» Principles of Inheritance &amp; Variation</li> <li>» Molecular Basis of Inheritance</li> </ul>	<b>Maths</b>	<ul style="list-style-type: none"> <li>» Sets</li> <li>» Trigonometric Functions</li> <li>» Complex Numbers and Quadratic Equations</li> <li>» Linear Inequalities</li> <li>» Permutations and Combinations</li> </ul>	<ul style="list-style-type: none"> <li>» Inverse Trigonometric Functions</li> <li>» Matrices</li> <li>» Determinants</li> <li>» Continuity &amp; Differentiability</li> <li>» Application of Derivatives</li> </ul>
<b>Zoology</b>	<ul style="list-style-type: none"> <li>» Biomolecules</li> <li>» Breathing &amp; Exchange of Gases</li> <li>» Body Fluids &amp; Circulation</li> <li>» Excretory Products &amp; their Elimination</li> </ul>	<ul style="list-style-type: none"> <li>» Human Reproduction</li> <li>» Reproductive Health</li> <li>» Evolution</li> <li>» Human Health &amp; Diseases</li> </ul>	-	-	-

## Question Pattern

Classes	Physics	Chemistry	Biology	Maths	IQ	Total Questions
Class 5 <sup>th</sup>	22	--	--	10	8	40
Class 6 <sup>th</sup> to 9 <sup>th</sup>	8	7	7	10	8	40
Class 10 <sup>th</sup>	10	10	10	10	--	40
Class 11 <sup>th</sup> to 12 <sup>th</sup> JEE	10	10	--	10	--	30
Class 11 <sup>th</sup> to 12 <sup>th</sup> NEET	15	15	30	--	--	60