

EXAM Pattern and Syllabus 2024

| Subject | Class 6 th | Class 7 th | Class 8 th | Class 9 th | Class 10 th |
|-----------------------|--|---|--|--|--|
| Physics | <ul style="list-style-type: none"> » Sorting Materials into Groups » Separation of Substances | <ul style="list-style-type: none"> » Heat » Motion and Time » Electric Current and Its Effect | <ul style="list-style-type: none"> » Force & Pressure » Friction » Sound » Chemical Effects of Electric Current | <ul style="list-style-type: none"> » Motion » Force & Laws of Motion » Gravitation | <ul style="list-style-type: none"> » Light - Reflection & Refraction » Human Eye and Colourful World |
| Chemistry | <ul style="list-style-type: none"> » Fibre to Fabric » Changes Around Us | <ul style="list-style-type: none"> » Acids, Bases and Salts » Physical and Chemical Changes | <ul style="list-style-type: none"> » Coal and Petroleum » Combustion & Flame (Combustion Types of combustion, Fire) | <ul style="list-style-type: none"> » Matter in Our Surroundings » Is Matter Around Us Pure? » Atoms and Molecules | <ul style="list-style-type: none"> » Chemical Reactions and Equations » Acids, Bases and Salts » Metals and Non-Metals |
| Biology | <ul style="list-style-type: none"> » Components of Food » Getting to Know Plants | <ul style="list-style-type: none"> » Nutrition in Plants » Nutrition in Animals » Respiration in Organisms » Transportation in Animals and Plants | <ul style="list-style-type: none"> » Crop Production and Management » Microorganisms-Friend and Foe » Conservation of Plants and Animals » Reproduction in Animals | <ul style="list-style-type: none"> » The Fundamental Unit of Life » Tissues | <ul style="list-style-type: none"> » Life Processes » Control and Coordination |
| Mathematics | <ul style="list-style-type: none"> » Knowing Our Numbers » Whole Numbers » Playing with Numbers » Basic Geometrical Ideas » Understanding Elementary Shapes | <ul style="list-style-type: none"> » Integers » Fractions and Decimals » Data Handling » Simple Equations » Line and Angles » The Triangle & its Properties » Comparing Quantities | <ul style="list-style-type: none"> » Rational Numbers » Linear Equations in One Variable » Understanding Quadrilaterals » Data Handling » Squares and Square Roots - Cubes and Cube Roots » Comparing Quantities | <ul style="list-style-type: none"> » Number Systems » Polynomials » Coordinate Geometry » Lines and Angles » Triangles » Linear Equations in Two Variables | <ul style="list-style-type: none"> » Real Numbers » Polynomials » Pair of Linear Equations in Two Variables » Quadratic Equations » Arithmetic Progressions » Coordinate Geometry » Triangles |
| Mental Ability | <ul style="list-style-type: none"> » Series, Direction Test » Mathematical Operations » Missing Character » Puzzles » Mirror & Water Image | <ul style="list-style-type: none"> » Series, Direction Test » Mathematical Operations » Missing Character » Puzzles » Mirror & Water Image | <ul style="list-style-type: none"> » Verbal & Non-Verbal Reasoning: Series Analogy » Number and Alphabet Test » Direction Test » Coding and Decoding » Problems Based on Figures | <ul style="list-style-type: none"> » Verbal Non-Verbal Reasoning: Series, Analogy Classification » Coding and Decoding » General Logical Reasoning & Analytical Reasoning » Figure Matrix » Problems Based on Figures | - |

“All the Best for the Exam”

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

Question Patterns

LEVEL - 1:

| Classes | Physics | Chemistry | Biology | Maths | IQ | Total Questions |
|--|---------|-----------|---------|-------|----|-----------------|
| Class 6 th to 9 th | 8 | 7 | 7 | 10 | 8 | 40 |
| Class 10 th | 10 | 10 | 10 | 10 | -- | 40 |
| Class 11 th & 12 th JEE | 10 | 10 | -- | 10 | -- | 30 |
| Class 11 th & 12 th NEET | 15 | 15 | 30 | -- | -- | 60 |

LEVEL - 2:

| Classes | Physics | Chemistry | Biology | Maths | MAT | Total Questions |
|--|---------|-----------|---------|-------|-----|-----------------|
| Class 8 th to 9 th | 15 | 15 | 15 | 15 | 15 | 75 |
| Class 10 th JEE | 20 | 20 | -- | 20 | -- | 60 |
| Class 10 th NEET | 20 | 20 | 40 | -- | 20 | 100 |
| Class 11 th & 12 th JEE | 10 | 10 | -- | 10 | -- | 60 |
| Class 11 th & 12 th NEET | 20 | 20 | 40 | -- | 20 | 100 |