

WINSAT EXAM - 2025

Class : 8th (Moving 9th)

SYLLABUS

Physics :

Friction, Force and Pressure, Sound, Light, Chemical Effects of Current

Chemistry :

Synthetic Fibres and Plastics, Materials : Metals and Non-metals, Coal and Petroleum, Combustion and Flame.

Mathematics :

Rational Numbers, Linear equations in One variable, Understanding Quadrilaterals, Practical Geometry, Data Handling, Square and Square roots, Cubes and Cubes Roots, Comparing Quantities, Exponents and Powers.

Biology : Crop Production & Management, Microorganisms : Friends and Foe, Conservation of Plants and Animals, Reproduction in Animals, Reaching the age of adolescence, Pollution of Air and Water

Mental Ability:

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

WINSAT EXAM - 2025

Class : 9th (Moving 10th)

SYLLABUS

Mathematics Syllabus :

Number system, Polynomials, Co-ordinate Geometry, Linear Equation in two variables, Lines and Angles, Triangles, Heron's Formula.

Science :

Motion, Force & Law of Motion, Gravitation (Half). Work, Power and Energy, Sound.

Cell – The fundamental unit of life, Tissues

Matter in our surroundings, Is matter around us pure, Atoms and Molecule, Structure of Atom.

Mental Ability :

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

WINSAT EXAM - 2025

Class : 10th (Moving 11th)

SYLLABUS

Mathematics:

Real Numbers, Polynomials, Pair of Linear equation with two variables, Quadratic Equations, Arithmetic progression, Triangles, Co-ordinate geometry, Probability

Science Syllabus :

Chemical Reaction and Equations, Acids Base and Salts, Metal and Non-metals, Life process, Control and Co-ordination, Heredity, Light, Electricity, Magnetic Effects of electric current.

Mental Ability :

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

WINSAT EXAM - 2025

Class : 11th (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, Period Table, Atomic Structure, Chemical Bonding and molecular structure.

Mathematics :

Sets, Relation and Function, Trigonometry, Complex Numbers, Sequence and Series, Binomial theorem, Permutation and Combination, Quadratic Equation.

Biology :

The Living World, Biological Classification, Plant Kingdom, Morphology of Flowering Plants, Cell : The unit of the life, Cell : Cycle and Cell division, Photosynthesis in higher plants, Respiration in plants.

WINSAT EXAM - 2025

Class : 12th

SYLLABUS

Physics :

Electrostatic and Capacitance, Current electricity, Magnetic effects of current and magnetism, Electromagnetic induction, Alternating current, Optics.

Chemistry :

Solutions, Electrochemistry, Chemical Kinetics, The d-block and f-block elements, Coordination compounds, Haloalkanes, and Haloarenes, Alcohol, phenol and ethers, Aldehydes, ketones and Carboxylic acids, Amines, Biomolecules.

Mathematics :

Relation and Functions, Inverse Trigonometry Function, Matrix, Determinant, Derivatives **OR** Differentiability, Application of Derivatives, Integration (Indefinite, Definite, Area under the Curve, Differentiation equation).

Biology :

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