

Syllabus of Entrance cum Scholarship Exam

Class VI (going to class VII)

Class VII (going to class VIII)

PHYSICS

Electricity and circuits, Fun with magnets, Motion and measurement of distances, and Light, shadows and reflections.

Motion and Time, Electric Current and its Effects, Heat, Light

CHEMISTRY

Sorting Materials Into Groups, Separation of Substances, Air Around Us

Forest: Our lifeline, Acids Bases and Salts, Physical and Chemical changes, Waste water story

BIOLOGY

Components of food , Getting to know plants , The living organisms — characteristics and habitats

Nutrition in plants, Nutrition in animals, Respiration in organisms, Transportation in animals and plants,

MATHEMATICS

Knowing Our Numbers, Whole Numbers, Playing With Numbers, Basic Geometrical Ideas, Integers, Data Handling

Integers, Fractions and Decimals, Data Handling, Simple Equations, Lines and Angles, The Triangle and its Properties, Rational Numbers, Algebraic Expressions, Exponents and Powers, Symmetry

Class VIII (going to class IX)

Class IX (going to class X)

PHYSICS

Force and pressure, Friction, Sound, Light, Chemical effects of electric current.

Motion, Force and laws of motion, Gravitation, Work and Energy, Sound

CHEMISTRY

Coal and petroleum, Combustion and Flame, Some natural phenomenon, Chemical effects of current

Matter in Our Surroundings, Is Matter Around Us Pure, Atoms And Molecules, Structure of Atom

BIOLOGY

Crop production and management, Microorganisms: Friend and Foe, Conservation of plants and animals, How do organisms reproduce

Cell: The fundamental unit of life, Tissues, Improvement in food resources.

MATHEMATICS

Rational Numbers, Linear Equations in one variable, Data Handling, Understanding Quadrilaterals, Square and Square Roots, Cubes and Cube Roots, Comparing Quantities, Algebraic Expressions, Mensuration

Number System, Polynomials, Coordinate Geometry, Linear Equations in two variables, Euclid's Geometry, Lines and Angles, Triangles Quadrilaterals, Circles, Heron's Formula, Surface Area and Volumes

Question Paper Pattern

Class	Subject	Time	Questions	Marking
VI	MAT	60 mins	30	+3 / -1 / 0
	Maths & Science	120 mins	60	+3 / -1 / 0
VII, VIII & IX	MAT	60 mins	60	+3 / -1 / 0
	Maths & Science	120 mins	90	+3 / -1 / 0

NOTE: +3 will be awarded for a Right Answer, -1 will be awarded for a Wrong Answer, 0 will be awarded for No Attempt.