

Syllabus of Entrance Cum Scholarship Exam

Class-VI (going to Class-VII)

PHYSICS	Motion and Measurement, Fun with Magnets, Light Shadow and Reflection
CHEMISTRY	Separation of substances, Sorting materials into groups, Air Around US
BIOLOGY	Components Of Food, Getting To Know Plants, Body Movements
MATHEMATICS	Knowing our numbers, Whole numbers, Data Handling, Integers, Basic Geometrical Ideas, Playing with Numbers, Fractions, Decimals, Mensuration

Class-VII (going to Class-VIII)

PHYSICS	Heat, motion and time, Light
CHEMISTRY	Forest: Our lifeline, Acids Bases and Salts, Physical and Chemical Changes, Wastewater Story
BIOLOGY	Nutrition in Plants, Nutrition in Animals, Respiration in Organisms, Transportation and Excretion in Animals
MATHEMATICS	Integers, Fractions and Decimals, Data Handling, Rational Numbers, Simple Equations, Lines and Angles, Triangles and Its properties, Algebraic Expressions, Comparing Quantities, Symmetry

Class-VIII (going to Class-IX)

PHYSICS	Light, Force and Pressure, Friction, Chemical Effects of Electric Current
CHEMISTRY	Coal and Petroleum, Combustion And Flame, Chemical Effects of Electric Current
BIOLOGY	Crop Production And Management, Microorganisms: Friend And Foe, Conservation of Plants and Animals
MATHEMATICS	Rational Numbers, Linear Equations in one variable, Data Handling, Understanding Quadrilaterals, Square and Square roots, Cubes and Cube Roots, Factorisation, Introduction to Graphs, Algebraic Expression

Class-IX (going to Class-X)

PHYSICS	Motion, Force and Laws of Motion, Gravitation
CHEMISTRY	Matter in Our Surroundings, Is Matter Around Us Pure, Atoms and molecules
BIOLOGY	The Fundamental Unit Of Life, Tissues, Improvement in Food Resources
MATHEMATICS	Number System, Polynomials, Coordinate Geometry, Linear Equations In Two Variables, Lines And Angles, Triangles, Quadrilaterals, Heron's Formula

Class-X (going to Class-XI)

PHYSICS	Light-Reflection and Refraction, Human eye and colourful world, Electricity & Magnetism
CHEMISTRY	Chemical reactions and equations, Acids Bases and Salts, Metals and Non metals, Carbon & its Compounds
MATHEMATICS	Real Numbers, Basic Principles of Counting, Polynomials, Pair of linear equations in two variables, Quadratic Equations, Arithmetic Progression, Triangles, Coordinate Geometry, Trigonometry, Application of Trigonometry, Circles, Areas related to circles and Polygons, Surface Area and Volumes, Statistics, Probability

Question Paper Pattern

Class	Subject	Time	Questions	Marking
VI	MAT	60 mins	30	+3 / -1 / 0
	MATH & SCIENCE	120 mins	60	+3 / -1 / 0
VII, VIII & IX	MAT	60 mins	60	+3 / -1 / 0
	MATH & SCIENCE	120 mins	90	+3 / -1 / 0
X	MAT	30 mins	30	+3 / -1 / 0
	PCM	150 mins	120	+3 / -1 / 0

NOTE: +3 will be awarded for a Correct Answer, -1 will be awarded for an Incorrect Answer, 0 will be awarded for not attempting the question.