

Syllabus of Entrance cum Scholarship Exam

	Class VI (going to class VII)	Class VII (going to class VIII)
PHYSICS	Motion and measurement of distances, Light, Shadows and Reflections, Electricity and Circuits	Electric current and its effects, Motion and Time
CHEMISTRY	Separation of substances, Sorting materials into groups	Physical and Chemical Changes, Acids Bases and Salts, Structure of Atom
BIOLOGY	Components Of Food, Getting To Know Plants, The Living Organisms-Characteristics And Habitats	Nutrition in Plants, Nutrition in Animals, Respiration in Organisms, Forests: Our Lifeline
MATHEMATICS	Knowing our numbers, Whole numbers, Data Handling, Integers, Basic geometric Ideas, Playing with Numbers	Integers, Fractions and Decimals, Data Handling, Rational Numbers, Simple Equations, Lines and Angles, Triangles and Its properties

	Class VIII (going to class IX)	Class IX (going to class X)
PHYSICS	Light, Force and Pressure, Friction, Chemical Effects of Electric Current	Motion, Force and Laws of Motion, Gravitation
CHEMISTRY	Combustion and Flame, Recapitulation of structure of atom, Chemical formula writing, Coal and petroleum	Matter in Our Surroundings, Is Matter Around Us Pure, Atoms and molecules
BIOLOGY	Crop Production And Management, Microorganisms: Friend And Foe, Reaching The Age Of Adolescence	The Fundamental Unit Of Life, Tissues
MATHEMATICS	Rational Numbers, Linear Equations in one variable, Understanding Quadrilaterals, Square and Square roots, Cubes and Cube Roots, Comparing Quantities, Data Handling, Exponents and Powers, Mensuration	Number System, Polynomials, Coordinate Geometry, Lines and Angles, Triangles, Heron's Formula, Surface Area and Volumes

	Class X (going to class XI)
PHYSICS	Light-Reflection and Refraction, Human eye and colourful world, Electricity
CHEMISTRY	Chemical reactions and equations, Acids Bases and Salts, Metals and Non metals
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
	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
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.