

# Syllabus of Entrance cum Scholarship Exam

	Class VII (going to class VIII)	Class VIII (going to class IX)
PHYSICS	Heat Motion & Time Light	Force & Pressure, Friction Sound, Reflection & Refraction
CHEMISTRY	Acid, Bases & Salts Fibre to Fabric Water : A precious resource	Synthetic Fibres & Plastics, Metals & Non-metals Coal & Petroleum, Combustion & Flame
BIOLOGY	Nutrition in Plants, Nutrition in Animals Respiration in Organisms, Weather, Climate and adaptation of animals to climate	Crop Production & Management Micro-organism Cell- Structure & Function
MATHEMATICS	Integers, Fractions & Decimals, Lines & Angles Simple Equations, Triangles & its properties Exponent & Powers, Data Handling	Rational Numbers, Linear Equation in One Variable, Understanding Quadrilaterals Square & Square Roots, Cube & Cube Roots Comparing Quantities, Mensuration
	Class IX (going to class X)	Class X (going to class XI)
PHYSICS	Motion, Force & Laws of Motion Gravitation	Light, Reflection & Refraction, Electricity Magnetic Effects of Electric Current The Human eye & the Colorful World
CHEMISTRY	Matter in our Surrounding Is matter around us pure? Properties of Matter & Solution Atoms & Molecules	Chemical Reactions & Equation Acid, Base & Salts Metals & Non-metals
BIOLOGY	Cell: The Fundamental Unit of Life Tissues	N/A
MATHEMATICS	Number System, Polynomials, Co-ordinate Geometry Lines and Angles, Triangles Quadrilaterals & Area, Mensuration	Real Numbers, Polynomials, Linear equation in Two Variables Quadratic Equation, Trigonometry Statistics & Probability, Mensuration

## ENTRANCE TEST DETAILS

Question Paper Pattern				
Class	Subject	Time	Questions	Marking
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 Right Answer, -1 will be awarded for a Wrong Answer, 0 will be awarded for No Attempt.