## Syllabus of Entrance cum Scholarship Exam



## Class IX (going to class X)

Motion, Force and laws of motion, Gravitation

Matter in our surrounding,
Is matter around us pure?

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

Number System, Polynomials, Coordinate Geometry, Linear Equations in two variables, Euclid's Geometry,

Lines and Angles, Triangles, Quadrilaterals, Heron's Formula, Circles


## Class X (going to class XI)

Light, The human eye and colorful world, Motion, Force and laws of motion, Gravitation Work, Power and Energy, Sound.

Chemical reactions and equations, Acid, Base and salts, Metals and Non-metals

## NA

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 |  |
| VII, VIII \& IX | MAT | 60 mins | 60 | $+3 /-1 / 0$ |  |
|  | Maths \& Science | 120 mins | 90 | $+3 /-1 / 0$ |  |
| X | MAT | 30 mins | 60 | $+3 /-1 / 0$ |  |
|  | 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.

