

## NVST 9th Class Entrance Exam Pattern

- Multiple Objective Type {MCQ's} will be asked in this exam.
- Total marks – 100 Marks.
- There are 100 Questions in The Test.
- The time for this Test will be 3 Hours {180 Minutes}.
- No negative marking scheme applicable in this Test.

S. No.	Subjects	Marks Distribution
1.	English	15 Marks
2.	Hindi	15 Marks
3.	Maths	35 Marks
4.	Science	35 Marks
	Total Marks	100 Marks

## Navodaya 9th Class Syllabus

### English Syllabus: –

- Word and Sentence
- Structure Spelling
- Passivation
- Rearranging jumbled words
- Use of degrees of comparison
- Modal auxiliaries
- Tense forms
- Reported speech
- Use of prepositions
- Comprehension (Unseen Passage)

## **General Science Syllabus: –**

- Food – Crop Production and Management; Micro-organism; Food Preservation
- Materials I – Synthetic fibre; Plastics; Metals and Non – metals
- Material II – Coal and Petroleum; Refining of Petroleum; Fossil Fuels; Combustion and Flame
- Living / Non-living; Cell structure and Function; Conservation of Plants and Animals – Wildlife Sanctuary and National Parks
- Reproduction – Asexual and Sexual Reproduction, Reaching the age of adolescence
- Force – Frictional Force; Gravitational Force; Thrust and Pressure
- Light – Reflection of Light; Multiple Reflection; Human eye; Care of the Eyes; Sound; Human ears; Loudness and Pitch, Audible and inaudible Sounds
- Chemical Effects of Electric Current; Electroplating
- Natural Phenomena – Lightning; Earthquakes, Pollution of Air and Water
- Solar system; Stars and Constellations.

## **Mathematics Syllabus: –**

- Rational Numbers
- Squares and Square Roots
- Cubes and Cube Roots
- Exponents and Powers
- Direct and Inverse Proportions
- Comparing Quantities (Percentage, Profit and Loss, Discount, Simple and Compound Interest)
- Algebraic Expressions and Identities including Factorization
- Linear Equations in One Variable
- Understanding Quadrilaterals (Parallelogram, rhombus, rectangle, square, kite)
- Data Handling (Bar graph, pie chart, organizing data, probability)
- Mensuration: Area of plane figures & Surface area and volume of cube, cuboids and cylinder