

Syllabus for Class IX Entrance Examination: MATHEMATICS

1. Rational Numbers,
2. Linear Equations in One Variable
3. Understanding Quadrilaterals AND OTHER Practical Geometry.
4. Data Handling,
5. Squares and Square Roots.
6. Cubes and Cube Roots.
7. Comparing Quantities.
8. Algebraic Expressions and Identities.
9. Visualising Solid Shapes & Mensuration,.
10. Exponents and Powers.
11. Direct and Inverse Proportions.
12. Factorisation.
13. Introduction to Graphs.
14. Playing with Numbers.

Syllabus for Class IX Entrance Examination: GENERAL SCIENCE

Cell structure

- Function and parts of a cell

Microbial World

- Types of microorganisms
- Preservation of food

Plant and animal reproduction

- Asexual reproduction, Sexual reproduction in flowering plants,
- Reproduction in humans, Viviparous and oviparous animals

Reaching the age of adolescence

- Puberty, The reproductive phase,

- Sex determination, Role of hormones, Reproductive health

Electricity and chemical effects of current

- Current, Open and closed circuit
- Electromagnets and its applications
- Electrolysis, Electroplating

Force and Friction

- Concept

Pressure and Sound

- Concept

Light

- Reflection, Refraction, Lenses
- Human Eye

Metals and Non Metals

- Classification
- Physical and Chemical properties

Fuel and Combustion

- Types of combustion
- Classification of Fuels

Natural resources

- Fossil Fuels: Coal and Petroleum

General Concepts. Universe, Pollution, Natural Phenomenon

Syllabus for Class IX Entrance Examination: HINDI

<u>Sr. No.</u>	<u>Topics</u>	<u>Marks</u>
1	Essay writing	20
2	Picture writing	20
3	Unseen Comprehension	10
4	Synonyms writing	10
5	Gender Changing	10
6	Number Changing	10
7	Incorrect to correct sentences	10
8	Joining (Swar Sandhi)	10

Syllabus for Class IX Entrance Examination: ENGLISH

- 1) Composition
- 2) Comprehension Passage
- 3) Grammar
 - Direct and Indirect Speech
 - Active - Passive Voice
 - Tense
 - Prepositions
 - Conjunctions
 - Articles, Determiners
 - Jumbled words
 - Picture Composition
 - Antonyms & synonyms
- 4) Article Writing
- 5) Letter Writing