

Syllabus for Class VIII Entrance Examination: MATHEMATICS

1. Integers.
2. Fractions and Decimals.
3. Data Handling.
4. Simple Equations.
5. Lines and Angles.
6. The Triangle and its Properties, Congruence of Triangles.
7. Comparing Quantities.
8. Rational Numbers.
9. Practical Geometry.
10. Perimeter and Area.
11. Algebraic Expressions
12. Exponents and Powers.
13. Symmetry.
14. Visualising Solid Shapes.

Syllabus for Class VIII Entrance Examination: GENERAL SCIENCE

Food and Nutrition

- Autotrophic and heterotrophic mode of nutrition, Steps of nutrition,
- Human digestive system

States of matter

- Characteristics of physical and chemical changes,
- Some common chemical changes, saturation and super saturation

Matter and chemical formula

- Structure of atom, fundamental elements,
- concepts of electronic configuration, atomicity, valency, chemical formulae

Acid, bases and salts and their properties

Heat and temperature

- Heat ,temperature, thermometer, weather and clinical thermometer,
- Effects of heat

Skeletal and Nervous systems

Transport and Excretion System

Sound

- Wave, oscillations, audible range, supersonic and infrasonic
- echo, applications of reverberations

Force, friction, pressure

- Effects of force, types of force, factors affecting friction, types of friction,
- Advantages and disadvantages of friction, applications of pressure,
- liquid pressure and atmospheric pressure

Combustion and flame

- Conditions necessary for combustion, Types of combustion
- Flame, Fuel, Fire extinguisher

Time and motion

- Measurements and motion, types of motion

General Concepts:

Natural Resources, Waste management, Forests and Conservation

Syllabus for Class VIII 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 VIII Entrance Examination: ENGLISH

- 1) Essay
- 2) Unseen Comprehension
- 3) Grammar:
 - Direct and Indirect Speech
 - Active - Passive Voice
 - Tense, prepositions
 - Determiners
 - Conjunctions
 - Connectors
 - Kinds of Sentences. (Transformation)
 - Articles, Short forms (contractions)
 - Picture Composition