SYLLABUS FOR ENTRANCE EXAMINATION CLASS : VII

SUBJECT : MATHEMATICS

S.NO	TOPICS
1.	Knowing our Numbers.
2.	Whole Numbers.
3.	Playing with Numbers.
4.	Integers.
5.	Fractions.
6.	Decimals.
7.	Data handling.
8.	Perimeter & Areas.
9.	Algebra.
10.	Ratio and Proportion.

SUBJECT : SCIENCE

S.NO	TOPICS
1.	**Food and Nutrition** • Food Sources • Food Groups: Carbohydrates, fats, proteins minerals and vitamins. • Nutrition • Balanced Diet, Deficiency Diseases • Hygiene.
2.	**Fibre and Fabric** • Types of fibre • Sources and properties of Fibers • Types of Fabrics.
3.	**Sorting of Materials and Separation of components of Mixture** • Matter, Classification of matter

	• Methods of separation of different components of mixtures
4.	**Living World: Plant and Animals** • Classification, characteristics of living things. • Classification of plants and animals • Habitat, Adaptation
5.	**Light, Electricity and Magnetism** • Classification of sources of light, Shadow and Reflection • Electricity (conductors and insulators) working of electrical circuits. • Magnet and its effects, Uses and Properties of a magnet
6.	**Essential for life: Air and Water.** • Air: atmosphere, properties of air • Water: Introduction, impurities present in water. • Methods of removal of impurities from water: Filtration, Sedimentation and decantation, Evaporation, Distillation, Boiling, Chlorination.
7.	**Natural Resources and their conservation** • Natural sources of energy, • Water: Hydro energy • Air: Composition.
8.	**General Concepts. Waste management, Conservation**

SUBJECT : HINDI

S.NO	TOPICS
1.	**Unseen Comprehension**
2.	**Antonyms**
3.	**Synonyms**
4.	**One Word Substitutions**
5.	**Verb and its types**
6.	**Adjective and its types**
7.	**Incorrect to correct Sentences**
8.	**Punctuation**
9.	**Completing and writing meanings of Idioms**

10.	**Essay Writing**
11.	**Letter Writing (Informal Letter)**
12.	**Picture Writing**

SUBJECT : ENGLISH

	TOPICS
1.	**Reading Skills:** 1. Unseen Comprehension Passage

2.	**Writing Skills:**
	   1. Guided Story Writing
	   2. Paragraph Writing
	   3. Diary Writing
	   4. Informal Letter Writing
	   5. Picture Composition
	   6. Factual Description of People
	   7. Article Writing

3.	**Language Skills/Grammar:**
	   1. Adjectives: degrees of comparison, Prepositions, Pronouns, Adverbs, Conjunctions
	   2. Change of Voice
	   3. Tenses and Question Tags
	   4. Synonyms and Antonyms
	   5. Determiners
	   6. Jumbled words to form meaningful sentences
	   7. Punctuations