



SYLLABUS FOR ENTRANCE EXAMINATION CLASS : VIII

SUBJECT : MATHEMATICS

S.NO	TOPICS
1.	Integers.
2.	Fractions and Decimals.
3.	Simple Equations.
4.	Lines and Angles.
5.	The Triangle and its Properties, Congruence of Triangles.
6.	Comparing Quantities.
7.	Rational Numbers.
8.	Perimeter and Area.
9.	Algebraic Expressions.
10.	Exponents and Powers.
11.	Data Handling.

SUBJECT : SCIENCE

S.NO	TOPICS
1.	Food and Nutrition <ul style="list-style-type: none">• Autotrophic and heterotrophic mode of nutrition, Steps of nutrition,• Human digestive system
2.	Matter and chemical formula <ul style="list-style-type: none">• Structure of atom, fundamental elements,• concepts of electronic configuration, atomicity, valency, chemical formulae

3.	Acid, bases and salts and their properties
4.	States of matter <ul style="list-style-type: none"> • Characteristics of physical and chemical changes, • Some common chemical changes, saturation and super saturation
5.	Sound <ul style="list-style-type: none"> • Wave, oscillations, audible range, supersonic and infrasonic • echo, applications of reverberations
6.	Force, friction, pressure <ul style="list-style-type: none"> • 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
7.	Combustion and flame <ul style="list-style-type: none"> • Conditions necessary for combustion, Types of combustion • Flame, Fuel, Fire extinguisher
8.	Time and motion <ul style="list-style-type: none"> • Measurements and motion, types of motion
9.	General Concepts: Natural Resources, Waste management, Forests and Conservation
10.	Heat and temperature <ul style="list-style-type: none"> • Heat, temperature, thermometer, weather and clinical thermometer, • Effects of heat
11.	Organ systems: Respiration, Reproduction, Excretion, Nervous system, Skeletal System
12	Electricity and electrical circuits

SUBJECT : HINDI

S.NO	TOPICS
1.	Unseen Comprehension
2.	Incorrect to correct Sentences
3.	Joining(Swar Sandhi)
4.	Synonyms
5.	Adjective and its types
6.	Punctuation
7.	Pronoun and its types
8.	Verb and its types
9.	Completing and writing meanings of Idioms
10.	Essay Writing
11.	Letter Writing (Formal Letter)
12.	Picture Writing

SUBJECT : ENGLISH

	TOPICS
1.	Reading Skills: 1. Unseen Comprehension Passage
2.	Writing Skills: 1. Guided Story Writing 2. Essay Writing 3. Informal and Formal Letter Writing 4. Picture Composition 5. Factual Description of People, objects and places 6. Article Writing 7. Caption Writing
3.	Language Skills/Grammar: 1. Adjectives: degrees of comparison, Prepositions, Adverbs, Pronouns, Conjunctions 2. Change of Voice 3. Reported Speech 4. Tenses & Forms of Verbs 5. Question Tags 6. Synonyms and Antonyms

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| | <ol style="list-style-type: none">7. Determiners8. Modal Auxiliaries9. Jumbled words to form meaningful sentences10. Kinds of Sentences (Transformation)11. Articles, Short forms (contractions) |
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