

# MATHEMATICS SYLLABUS FOR ENTRANCE EXAMINATION

## CLASS: VII

<u>EXISTING FOR NORMAL YEARS</u>	<u>MODIFIED FOR THE YEAR - 2022</u>
<ol style="list-style-type: none"> <li>1. Knowing our Numbers.</li> <li>2. Whole Numbers.</li> <li>3. Playing with Numbers.</li> <li>4. Basic Geometrical Ideas.</li> <li>5. Understanding Elementary Shapes.</li> <li>6. Integers.</li> <li>7. Fractions.</li> <li>8. Decimals.</li> <li>9. Data handling.</li> <li>10. Perimeter &amp; Areas.</li> <li>11. Algebra.</li> <li>12. Ratio and Proportion.</li> <li>13. Symmetry.</li> <li>14. Practical Geometry.</li> </ol>	<ol style="list-style-type: none"> <li>1. Knowing our Numbers.</li> <li>2. Whole Numbers.</li> <li>3. Playing with Numbers.</li> <li>4. Integers.</li> <li>5. Fractions.</li> <li>6. Decimals.</li> <li>7. Data handling.</li> <li>8. Perimeter &amp; Areas.</li> <li>9. Algebra.</li> <li>10. Ratio and Proportion.</li> </ol>

# ENGLISH SYLLABUS FOR ENTRANCE EXAMINATION

## CLASS: VII

<u>EXISTING FOR NORMAL YEARS</u>	<u>MODIFIED FOR THE YEAR - 2022</u>
<ol style="list-style-type: none"> <li>1. <b>Composition</b></li> <li>2. Comprehension Passage</li> <li>3. Grammar:               <ol style="list-style-type: none"> <li>a. Direct and Indirect Speech</li> <li>b. Change of Voice</li> <li>c. Tenses</li> <li>d. Prepositions</li> <li>e. <b>Adjectives (Degrees of Comparison)</b></li> <li>f. Conjunctions</li> <li>g. <b>Articles</b></li> <li>h. Determiners</li> </ol> </li> <li>I. <b>Jumbled words</b></li> <li>j. <b>Question Tags</b></li> <li>k. Antonyms &amp; synonyms</li> <li>4. Picture Composition</li> </ol>	<ol style="list-style-type: none"> <li>1. Comprehension Passage</li> <li>2. Grammar:               <ol style="list-style-type: none"> <li>a. Direct and Indirect Speech</li> <li>b. Change of Voice</li> <li>c. Tenses</li> <li>d. Prepositions</li> <li>e. Conjunctions</li> <li>f. Determiners</li> <li>g. Antonyms &amp; synonyms</li> <li>h. Question Tags.</li> </ol> </li> </ol>

## **HINDI SYLLABUS FOR ENTRANCE EXAMINATION**

### **CLASS: VII**

<b><u>EXISTING FOR NORMAL YEARS</u></b>	<b><u>MODIFIED FOR THE YEAR - 2022</u></b>
<b>Sr. No.      Topics</b>  1.      Essay writing 2.      Picture writing 3.      Unseen Comprehension 4.      Completing and writing meaning of idioms 5.      Gender Changing 6.      Number Changing 7.      Incorrect to correct words 8.      Translation (English to Hindi)	<b>Sr. No.      Topics</b> 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

## **SCIENCE SYLLABUS FOR ENTRANCE EXAMINATION**

### **CLASS: VII**

<b><u>EXISTING FOR NORMAL YEARS</u></b>	<b><u>MODIFIED FOR THE YEAR - 2022</u></b>
<b>Health and Hygiene</b> <ul style="list-style-type: none"><li>• Food and Nutrition</li><li>• Food Groups: Carbohydrates, fats, proteins minerals and vitamins.</li><li>• Balanced Diet, Deficiency Diseases</li><li>• Hygiene.</li></ul> <b>Fibre and Fabric</b> <ul style="list-style-type: none"><li>• Types of fibre</li><li>• Sources and properties of Fibres</li></ul>	<b>Fibre and Fabric</b> <ul style="list-style-type: none"><li>• Types of fibre</li><li>• Sources and properties of Fibres</li><li>• Types of Fabrics.</li></ul> <b>Sorting of Materials and Separation of components of Mixture</b> <ul style="list-style-type: none"><li>• Matter, Classification of matter</li><li>• Methods of separation of different components of mixtures</li></ul>

<ul style="list-style-type: none"> <li>• Types of Fabrics.</li> </ul> <p><b>Sorting of Materials and Separation of components of Mixture</b></p> <ul style="list-style-type: none"> <li>• Matter, Classification of matter</li> <li>• Methods of separation of different components of mixtures</li> </ul> <p><b>Living World: Plant and Animals</b></p> <ul style="list-style-type: none"> <li>• Classification, characteristics of living things.</li> <li>• Classification of plants and animals</li> <li>• Habitat, Adaptation</li> </ul> <p><b>Light, Electricity and Magnetism</b></p> <ul style="list-style-type: none"> <li>• Classification of sources of light, Shadow and Reflection</li> <li>• Electricity( conductors and insulators) working of electrical circuits.</li> <li>• Magnet and its effects, Uses and Properties of a magnet</li> </ul> <p><b>Essential for life: Air and Water.</b></p> <ul style="list-style-type: none"> <li>• Air: atmosphere, properties of air</li> <li>• Water: Introduction, impurities present in water.</li> <li>• Methods of removal of impurities from water: Filtration, Sedimentation and decantation, Evaporation, Distillation, Boiling, Chlorination.</li> </ul> <p><b>General Concepts. Waste management, Conservation</b></p>	<p><b>Living World: Plant and Animals</b></p> <ul style="list-style-type: none"> <li>• Classification, characteristics of living things.</li> <li>• Habitat, Adaptation</li> </ul> <p><b>Light, Electricity and Magnetism</b></p> <ul style="list-style-type: none"> <li>• Classification of sources of light, Shadow and Reflection</li> <li>• Electricity ( conductors and insulators) working of electrical circuits.</li> <li>• Magnet and its effects, Uses and Properties of a magnet</li> </ul> <p><b>Essential for life: Air and Water.</b></p> <ul style="list-style-type: none"> <li>• Air: atmosphere, properties of air</li> <li>• Water: Introduction, impurities present in water.</li> <li>• Methods of removal of impurities from water: Filtration, Sedimentation and decantation, Evaporation, Distillation, Boiling, Chlorination.</li> </ul> <p><b>General Concepts. Waste management, Conservation</b></p>
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