

## MATHEMATICS SYLLABUS FOR ENTRANCE EXAMINATION

CLASS: VI

<u>EXISTING FOR NORMAL YEARS</u>	<u>MODIFIED SPECIALLY FOR THE YEAR - 2020</u>
<ol style="list-style-type: none"><li>1. Number System, Rounding &amp; Estimation.</li><li>2. Addition and Subtraction of Numbers.</li><li>3. Multiplication and Division of Numbers.</li><li>4. LCM and HCF.</li><li>5. Fractional Numbers.</li><li>6. Decimals.</li><li>7. Lines and Angles.</li><li>8. Geometrical Shapes.</li><li>9. Perimeter and Area.</li><li>10. Measurement of Length, Mass and Capacity.</li><li>11. Speed, Distance and Time.</li><li>12. Money and Bills.</li><li>13. Patterns and Symmetry.</li><li>14. Data Handling</li></ol>	<ol style="list-style-type: none"><li>1. Number System, Rounding &amp; Estimation.</li><li>2. Addition and Subtraction of Numbers.</li><li>3. Multiplication and Division of Numbers.</li><li>4. LCM and HCF.</li><li>5. Fractional Numbers.</li><li>6. Decimals.</li><li>7. Lines and Angles.</li><li>8. Perimeter and Area.</li><li>9. Measurement of Length, Mass and Capacity.</li><li>10. Speed, Distance and Time.</li></ol>

## ENGLISH SYLLABUS FOR ENTRANCE EXAMINATION

CLASS: VI

<b>Old Syllabus</b>	<b>Revised Syllabus</b>
<ol style="list-style-type: none"><li>1. <b>Composition</b></li><li>2. Comprehension</li><li>3. Parts of Speech – <b>Adjectives: degrees of comparison,</b> Prepositions, <b>Articles,</b> Pronouns</li><li>4. Picture Composition</li><li>5. Punctuations</li><li>6. Jumbled words to form meaningful sentences</li></ol>	<ol style="list-style-type: none"><li>1. Comprehension Passage</li><li>2. Parts of Speech - Prepositions, Pronouns</li><li>3. Picture Composition</li><li>4. Punctuations</li><li>5. Jumbled words to form meaningful sentences</li></ol>

# SCIENCE SYLLABUS FOR ENTRANCE EXMINATION

CLASS: VI

<u>Existing Science Syllabus for class VI- Entrance Test</u>	<u>Revised Science Syllabus for class VI - Entrance Test 2020</u>
<p><b>Plants</b></p> <ul style="list-style-type: none"><li>• Dispersal</li><li>• Growth of plants</li></ul> <p><b>Health and Hygiene</b></p> <ul style="list-style-type: none"><li>• Food Groups: Carbohydrates, fats, proteins minerals and vitamins.</li><li>• Balanced Diet, Diseases( Communicable and non communicable)</li><li>• Hygiene.</li></ul> <p><b>Safety and First aid</b></p> <ul style="list-style-type: none"><li>• Road safety, safety from fire.</li><li>• First Aid( for burns, fractures, animal bites and poisoning.</li></ul> <p><b>Solids, Liquids and Gases.</b></p> <ul style="list-style-type: none"><li>• Introduction( matter)</li><li>• States of matter( arrangement of particles)</li><li>• Change of state( Evaporation, melting condensation boiling, freezing</li></ul> <p><b>Rocks, Soil and Minerals.</b></p> <ul style="list-style-type: none"><li>• Types of rocks( Igneous, sedimentary and Metamorphic.)</li><li>• Minerals</li><li>• Uses of Rocks and Minerals.</li><li>• Soil( formation, composition and profile)</li></ul> <p><b>Animals</b></p> <ul style="list-style-type: none"><li>• Habitat( forest, desert, polar region, ocean and fresh water)</li></ul>	<p><b>Plants</b></p> <ul style="list-style-type: none"><li>• Dispersal</li><li>• Growth of plants</li></ul> <p><b>Health and Hygiene</b></p> <ul style="list-style-type: none"><li>• Food Groups: Carbohydrates, fats, proteins minerals and vitamins.</li><li>• Balanced Diet, Diseases( Communicable and non-communicable)</li><li>• Hygiene.</li></ul> <p><b>Safety and First aid</b></p> <ul style="list-style-type: none"><li>• Road safety, safety from fire.</li><li>• First Aid( for burns, fractures, animal bites and poisoning.</li></ul> <p><b>Solids, Liquids and Gases.</b></p> <ul style="list-style-type: none"><li>• Introduction( matter)</li><li>• States of matter( arrangement of particles)</li><li>• Change of state( Evaporation, melting condensation boiling, freezing</li></ul> <p><b>Rocks, Soil and Minerals.</b></p> <ul style="list-style-type: none"><li>• Types of rocks( Igneous, sedimentary and Metamorphic.)</li><li>• Minerals</li><li>• Uses of Rocks and Minerals.</li><li>• Soil( formation, composition and profile)</li></ul> <p><b>Animals</b></p> <ul style="list-style-type: none"><li>• Habitat( forest, desert, polar region, ocean and fresh water)</li></ul>

- Body coverings( scales, shells, feathers, fur or wool)
- Feeding habits( herbivores , carnivores and omnivores)

#### **Skeletal system and Nervous System.**

- Skeletal system( skull, ribcage, backbone and limbs)
- Joints( Ball and Socket, Hinge, pivot and gliding)
- Nervous system( Brain , spinal cord and nerves)
- Sense organs.

#### **Force, Work and Energy.**

- Force: Effects of force, Types of forces, Advantages , Disadvantages
- Work: Energy: Simple Machines: Wheel and Axle, Pulley, Inclined plane, Screw, wedge

#### **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.

#### **Celestial Bodies**

- Solar system: introduction, astronomy
- Planets, Moon: Surface of moon, phases of moon
- Eclipses: Solar and Lunar

#### **Natural Disasters**

- Volcanoes: Introduction, active and dormant volcanoes
- Earthquakes: Measuring of earthquakes, effects of earthquakes.
- Tidal Waves

#### **General Concepts: Environment Conservation, Space travel**

- Body coverings( scales, shells, feathers, fur or wool)
- Feeding habits( herbivores , carnivores and omnivores)

#### **Skeletal system and Nervous System.**

- Skeletal system( skull, ribcage, backbone and limbs)
- Joints( Ball and Socket, Hinge, pivot and gliding)
- Nervous system( Brain , spinal cord and nerves)
- Sense organs.

#### **Force, Work and Energy.**

- Force: Effects of force, Types of forces, Advantages , Disadvantages
- Work: Energy: Simple Machines: Wheel and Axle, Pulley, Inclined plane, Screw, wedge

# **HINDI SYLLABUS FOR ENTRANCE EXAMINATION**

**CLASS: VI**

<b><u>EXISTING FOR NORMAL YEARS</u></b>			<b><u>MODIFIED SPECIALLY FOR THE YEAR - 2020</u></b>		
<b>Sr. No.</b>	<b>Topics</b>	<b>Marks</b>	<b>Sr. No.</b>	<b>Topics</b>	<b>Marks</b>
1.	Essay writing	20	1.	Essay writing	20
2.	Picture writing	20	2.	Picture writing	20
3.	Unseen Comprehension	10	3.	Unseen Comprehension	20
4.	Synonyms writing	10	4.	Gender Changing	10
5.	Gender Changing	10	5.	Number Changing	10
6.	Number Changing	10	6.	Incorrect to correct words	20
7.	Incorrect to correct words	10			
8.	Translation (English to Hindi)	10			