

Syllabus for Class VI Entrance Examination: MATHEMATICS

SHAPES & SPATIAL UNDERSTANDING

Gets the feel of perspective while drawing a 3-D object in 2-D. Gets the feel of an angle through observation and paper folding. Identifies right angles in the environment. Classifies angles into right, acute and obtuse angles. Represents right angle, acute angle and obtuse angle by drawing and tracing. Explores intuitively rotations and reflections of familiar 2-D shapes. Explores intuitively symmetry in familiar 3-D shapes. Makes the shapes of cubes, cylinders and cones using nets especially designed for this purpose.

NUMBERS AND OPERATIONS

Finds place value in numbers beyond 1000. Appreciates the role of place value in addition, subtraction and multiplication algorithms. Uses informal and standard division algorithms. Explains the meaning of factors and multiples.

FRACTIONAL NUMBERS

Finds the fractional part of a collection. Compares fractions. Identifies equivalent fractions. Estimates the degree of closeness of a fraction to known fractions. Uses decimal fractions in the context of units of length and money. Expresses a given fraction in decimal notation and vice versa.

MONEY

Applies the four operations in solving problems involving money.

MEASUREMENT

LENGTH

Determines area and perimeter of simple geometrical figures. Applies the four operations in solving problems involving length, weight and volume. Relates commonly used larger and smaller units of length, weight and volume and converts one to the other. Applies simple fractions to quantities. Converts fractional larger unit into complete smaller units. Appreciates volume of a solid body: intuitively and also by informal measurement. Uses addition and subtraction in finding time intervals in simple cases.

DATA HANDLING

Collects two-dimensional quantitative data. represents the data in the form of a table. Draws a bar graph or a pictograph to present a data.

PATTERNS

Identifies patterns in square numbers, triangular numbers. Relates sequences of odd numbers between consecutive square numbers. Makes border strip and tiling patterns.

Syllabus for Class VI Entrance Examination: GENERAL SCIENCE

Plant Life:	Increasing the numbers
Animal Life:	Varying lifestyles
Our Body:	Our skeletal system; our nervous system; Food and health; Safety and first aid; A house to live in
Our Universe:	Erosion and conservation; Rocks and minerals, Our life supports; Our universe; Force, work and energy; Solids, liquids and gases

Syllabus for Class VI Entrance Examination: HINDI

Class-6

<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 words	10
8	Translation (English to Hindi)	10

Syllabus for Class VI Entrance Examination: ENGLISH

- 1. Composition**
- 2. Comprehension**
- 3. Parts of Speech**
- 4. Articles**
- 5. Picture Composition**
- 6. Punctuations**
- 7. Jumbled words to form meaningful sentences**