

Syllabus for Class V Entrance Examination: MATHEMATICS

1. GEOMETRY

Shapes & Spatial Understanding

Draw a circle free hand and with compass, Identifies centre, radius and diameter of a circle, Tiles geometrical shapes: using one or two shapes, The area and perimeter of simple shapes, Explores intuitively the reflections through inkblots, paper cutting and paper folding, Reads and draws 3-D objects, making use of the familiarity with the conventions used in this, Draws intuitively the plan, elevation and side view of simple objects.

2. NUMBERS

Numbers and Operations

Writes multiplication facts, Writes tables up to 10×10 , Multiplies two and three digit numbers using lattice algorithm and the standard (column) algorithm, Divides a given number by another number in various ways, Applies the four operations to life situations. Frames word problems, Estimates sums, differences and products of given numbers. Adds and subtracts multiples of 10 and 100, mentally, Completes multiplication facts by adding partial products, mentally.

3. FRACTIONAL NUMBERS

Identifies half, one fourth and three- fourths of a whole.

5. MONEY

Converts Rupees to Paise, Adds and subtracts amounts using column addition and subtraction with regrouping, Uses operations to find totals, change, multiple costs and unit cost, Estimates roughly the totals and total cost.

6. MEASUREMENT

Length

Relates metre with centimeter, Converts metre into centimeters and vice versa, Solves problems involving length and distances, Estimates length of an object and distance between two given locations.

7. WEIGHT

Weighs objects using a balance and standard units, Determines sums and differences of weights, Estimates the weight of an object and verifies using a balance.

8. VOLUME

Measures volumes of given liquid using containers marked with standard units, Determines sums and differences of volumes, Estimates the volume of a liquid contained in a vessel and verifies by measuring.

9. TIME

Computes the number of weeks in a year, Correlates the number of days in a year with the number of days in each month, Justifies the reason for the need of a leap year, Reads clock time to the nearest hours and minutes, Expresses time, using the terms, 'a.m.' and 'p.m.', Estimates the duration of familiar events, Finds approximate time elapsed by (to the nearest hour) forward counting, Computes the number of days between two dates.

10. DATA HANDLING

Collects data and represents in the form of bar graphs, Draws Inferences by discussing with the teacher.

11. PATTERNS

Identifies patterns in multiplication and division: multiples of 9, Casts out nines from a given number to check if it is a multiple of nine, Multiplies and divides by 10s, 100s. Identifies geometrical patterns based on symmetry.

Syllabus for Class V Entrance Examination: GENERAL SCIENCE

Plant Life	:	How plants make and store food; Living and surviving of plants
Animal Life	:	How plants make and store food; Living and surviving of plants animals
Our Body	:	Food and digestion; Teeth and microbes; Safety first; the right clothes to wear.
Our Universe	:	Weather; The earth and its neighbors; Force, work and energy; Solids, liquids and Gases

Syllabus for Class V Entrance Examination: HINDI

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<u>Sr. No.</u>	<u>Topics</u>	<u>Marks</u>
1	Essay writing	20
2	Picture writing	20
3	Unseen Comprehension	10
4	Usage of words in Sentences	10
5	Gender Changing	10
6	Number Changing	10
7	Incorrect to correct words	10
8	Translation (English to Hindi)	10

Syllabus for Class V Entrance Examination: ENGLISH

1. Composition
2. Comprehension passage
3. Parts of Speech –
Nouns: Gender, Number

Adjectives – degree of comparison

Prepositions

Articles

Pronouns

4. Jumbled Words
5. Forms of Verbs
6. Picture Composition
7. Punctuations