

S Y L L A B U S

Class - 1

Mathematics : Numbers up to 100, Addition, Subtraction, Length, Weight, Capacity, Time, Money, Geometrical Shapes.

Logical Reasoning : Which one is different, Analogy, What comes next, Similar shapes, Complete the figure, Hidden shapes, Grouping.

Class - 2

Mathematics : Numbers, Addition, Subtraction, Multiplication, Division, Length, Weight, Capacity, Time, Money, Geometrical shapes, Pictograph, Patterns.

Logical Reasoning : Series, Similar shapes, Analytical reasoning, Odd One Out, Analogy, Grouping of figures, Hidden shapes, Complete the figures.

Class - 3

Mathematics : Numbers, Addition, Subtraction, Multiplication, Division, Fractions, Length, Weight, Capacity, Time, Money, Shapes.

Logical Reasoning : Shapes after adding, incomplete pattern, Series, Analogy, Odd one out, Alphabet Test, Grouping of Figures, Analytical reasoning, Hidden shapes.

Critical Thinking : Higher order thinking questions as per the syllabus of mathematics and reasoning (above). This section also includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making.

Class - 4

Mathematics : Large Numbers, Addition and Subtraction, Multiplication and division, Factors and Multiples, Fractions, Length, Weight, Capacity, Time, Money, Geometry, Perimeter.

Logical Reasoning : Adding figures, Subtracting figures, Grouping of identical figures, Odd one out, Series, Analytical reasoning, Alphabet Test, Coding-Decoding, Analogy and Counting figures.

Critical Thinking : Higher order thinking questions as per the syllabus of mathematics and reasoning (above). This section also includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making.

Class - 5

Mathematics : Large Numbers, Factors and multiples, Fractions and Decimals, Measurement of Length, Weight, Capacity, Time, Temperature, Conversions, Ratios, Speed Distance and Time, Money, Simple interest, Profit and loss, Geometry, Perimeter and area.

Logical Reasoning : Coding-decoding, Grouping of identical figures, Odd one out, Hidden figures, Series, Mathematical reasoning, Analytical reasoning, Analogy, Mirror Images, Ranking Test, Alphabet Test, Coding-Decoding.

Critical Thinking : Higher order thinking questions as per the syllabus of mathematics and reasoning (above). This section also includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making.

Class - 6

Mathematics - 1 : Patterns in Mathematics, Lines and Angles, Number Play, Data Handling and Presentation, Prime Time, Perimeter and Area, Fractions, Playing with Constructions, Symmetry.

Mathematics - 2 : Syllabus as per Mathematics – 1. This section includes multiple choice questions which have more than one option as correct answers.

Logical Reasoning : Analogy, Series, Coding-decoding, Alphabet test, Mirror image, Paper folding, Opened out, Odd one out, Mathematical reasoning, Analytical reasoning, Puzzle test.

Critical Thinking : Higher order thinking questions as per the syllabus of mathematics and reasoning (above). This section also includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making.

Class - 7

Mathematics - 1 : Large Numbers Around Us, Arithmetic Expressions, A Peek Beyond the Point, Expressions using Letter-Numbers, Parallel and Intersecting Lines, Number Play, A Tale of Three Intersecting Lines, Working with Fractions, Geometric Twins, Operations with Integers, Finding Common Ground, Another Peek Beyond the Point.

Mathematics - 2 : Syllabus as per Mathematics – 1. This section includes multiple choice questions which have more than one option as correct answers.

Logical Reasoning : Analogy, Series, Coding-Decoding, Alphabet test, Mirror Image, Folded in, Paper cutting, Odd one out, Analytical Reasoning, Direction sense test, Mathematical Reasoning, Puzzle test.

Critical Thinking : Higher order thinking questions as per the syllabus of mathematics and reasoning (above). This section also includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making.

Class - 8

Mathematics - 1 : A Square and A Cube, Power Play, A Story of Numbers, Quadrilaterals, Number Play, We Distribute Yet Things Multiply, Proportional Reasoning - 1, Fractions in Disguise, The Baudhayana-Pythagoras Theorem, Proportional Reasoning - 2, Exploring Some Geometric Themes, Tales by Dots and Lines.

Mathematics - 2 : Syllabus as per Mathematics – 1. This section includes multiple choice questions which have more than one option as correct answers.

Logical Reasoning : Analogy, Series, Coding-decoding, Mirror image, Paper cutting, Odd one out, Analytical reasoning, Direction sense, Mathematical reasoning, Cube and dice, Clocks, Calendar, Logical venn diagrams.

Critical Thinking : Syllabus as per mathematics and reasoning. This section includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making, higher order thinking.

Class - 9

Mathematics - 1 : Number systems, Polynomials, Co-ordinate Geometry, Linear Equations in Two Variables, Introduction to Euclid's Geometry, Lines and Angles, Triangles, Quadrilaterals, Circles, Heron's Formulae, Surface Area and Volume, Statistics.

Mathematics - 2 : Syllabus as per Mathematics – 1. This section includes multiple choice questions which have more than one option as correct answers.

Logical Reasoning : Analogy, Series, Coding and decoding, Mirror and water image, Blood relations, Odd one out, Analytical reasoning, Direction sense test, Mathematical reasoning, Cube and dice, Dot representation.

Critical Thinking : Higher order thinking questions as per the syllabus of mathematics and reasoning (above). This section also includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making.

Class - 10

Mathematics - 1 : Real Numbers, Polynomials, Pair of Linear Equations in Two Variables, Quadratic Equations, Arithmetic Progressions, Triangles, Co-ordinate Geometry, Introduction to Trigonometry, Some Applications of Trigonometry, Circles, Areas Related to Circles, Surface Areas and Volumes, Probability.

Mathematics - 2 : Syllabus as per Mathematics – 1. This section includes multiple choice questions which have more than one option as correct answers.

Logical Reasoning : Analogy, Series, Coding and decoding, Alphabet test, Mirror and water image, Blood relations, Odd one out, Analytical reasoning, Direction sense test, Mathematical reasoning, Cube and Dice, Puzzle test, Venn diagram, Comprehension analysis.

Critical Thinking : Higher order thinking questions as per the syllabus of mathematics and reasoning (above). This section also includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making.