

## **CLASS 1 : SYLLABUS AND EXAM PATTERN**

**NO. OF QUESTIONS : 40**

**TOTAL MARKS : 40**

**TIME ALLOWED : 60 MINUTES**

**SYLLABUS:**

**SECTION 1: > LOGICAL APTITUDE : PATTERNS, ODD ONE OUT, MEASURING UNITS, GEOMETRICAL SHAPES, SPATIAL UNDERSTANDING, PROBLEMS BASED ON FIGURES**

**SECTION 2: > MATHEMATICAL REASONING AND APTITUDE: NUMERALS, NUMBER NAMES, ADDITION , SUBTRACTION OF 2 DIGIT NUMBERS, GEOMETRICAL SHAPES AND PATTERNS, LENGTH , WEIGHT AND COMPERISON, TIME , MONEY**

**SECTION 3: > MATHEMATICS IN DAILY LIFE: SYLLABUS AS PER SECTION 1 AND SECTION 2**

**SECTION 4: > HOTS : SYLLABUS AS PER SECTION 1 AND 2**

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## **CLASS 2 : SYLLABUS AND EXAM PATTERN**

**NO. OF QUESTIONS : 40**

**TOTAL MARKS : 40**

**TIME ALLOWED: 60 MINUTES**

**SYLLABUS:**

**SECTION 1: > LOGICAL APTITUDE : PATTERNS, ODD ONE OUT, MEASURING UNITS, GEOMETRICAL SHAPES, SPATIAL UNDERSTANDING, PROBLEMS BASED ON FIGURES. GROUPING OF FIGURES**

**SECTION 2: > MATHEMATICAL REASONING AND APTITUDE:**

**NUMERALS, NUMBER NAMES, ADDITION , SUBTRACTION OF 3DIGIT NUMBERS, COMPUTATION OPERATIONS , LENGTH , WEIGHT , CAPACITY, TIME , TEMPERATURE, GEOMETRICAL SHAPES AND PATTERNS**

**SECTION 3: > MATHEMATICS IN DAILY LIFE:**

**SYLLABUS AS PER SECTION 1 AND SECTION 2**

**SECTION 4: HIGHER ORDER THINKING ( HOTS) SYLLABUS AS PER SECTION 1 AND 2**

## **CLASS 3 : SYLLABUS AND EXAM PATTERN**

**NO. OF QUESTIONS : 50**

**TOTAL MARKS : 50**

**TIME ALLOWED: 60 MINUTES**

**SYLLABUS:**

**SECTION 1: > LOGICAL APTITUDE :**

**PATTERNS, ODD ONE OUT, MEASURING UNITS, GEOMETRICAL SHAPES, SPATIAL UNDERSTANDING, PROBLEMS BASED ON FIGURES. GROUPING OF FIGURES**

**SECTION 2:> MATHEMATICAL REASONING AND APTITUDE:**

**NUMERALS, NUMBER NAMES, ADDITION , SUBTRACTION OF 4 DIGIT NUMBERS, NUMBER NAME AND NUMBER SENSE (4 DIGIT NUMBERS), COMPUTATION OPERATIONS ,FRACTIONS, LENGTH , WEIGHT , CAPACITY, TIME , TEMPERATURE, GEOMETRY , DATA HANDLING**

**SECTION3> MATHEMATICS IN DAILY LIFE: SYLLABUS AS PER SECTION 1 AND SECTION 2**

**SECTION 4: HIGHER ORDER THINKING ( HOTS) SYLLABUS AS PER SECTION 1 AND 2**

## **CLASS 4 : SYLLABUS AND EXAM PATTERN**

**NO. OF QUESTIONS : 50**

**TOTAL MARKS : 50**

**TIME ALLOWED: 60 MINUTES**

**SYLLABUS:**

**SECTION 1: > LOGICAL APTITUDE : PATTERNS, ODD ONE OUT, MEASURING UNITS, GEOMETRICAL SHAPES, SPATIAL UNDERSTANDING, PROBLEMS BASED ON FIGURES. GROUPING OF FIGURES**

**SECTION 2:> MATHEMATICAL REASONING AND APTITUDE: NUMERALS, NUMBER NAMES, ADDITION , SUBTRACTION OF 5 DIGIT NUMBERS, NUMBER NAME AND NUMBER SENSE (5 DIGIT NUMBERS), COMPUTATION OPERATIONS ,FRACTIONS, LENGTH , WEIGHT , CAPACITY, TIME , TEMPERATURE, GEOMETRY ,PERIMETER OF VARIOUS SHAPES,CONVERSION, DATA HANDLING**

**SECTION3> MATHEMATICS IN DAILY LIFE: SYLLABUS AS PER SECTION 1 AND SECTION 2**

**SECTION 4: >( HIGHER ORDER THINKING) HOTS: SYLLABUS AS PER SECTION 1 AND 2**

## **CLASS 5 : SYLLABUS AND EXAM PATTERN**

**NO. OF QUESTIONS : 50**

**TOTAL MARKS :**

**TIME ALLOWED: 60 MINUTES**

**SYLLABUS:**

**SECTION 1: > LOGICAL APTITUDE : PATTERNS, ODD ONE OUT, MEASURING UNITS, GEOMETRICAL SHAPES, SPATIAL UNDERSTANDING, PROBLEMS BASED ON FIGURES. GROUPING OF FIGURES, ALPHABET TEST, PUZZLE TEST, CODING AND DECODING**

**SECTION 2:> MATHEMATICAL REASONING AND APTITUDE:**

**NUMERALS, NUMBER NAMES, ADDITION , SUBTRACTION OF 8 DIGIT NUMBERS, NUMBER NAME AND NUMBER SENSE (8DIGIT NUMBERS), COMPUTATION OPERATIONS ,FRACTIONS AND DECIMALS, MEASUREMENT OF LENGTH , WEIGHT , CAPACITY, TIME , TEMPERATURE, VOLUME ,PERIMETER OF VARIOUS SHAPES,CONVERSION, DATA HANDLING,PROFIT AND LOSS, PERCENTAGE, SIMPLE INTEREST, AVERAGE, UNITARY METHOD , UNDERSTANDING OF ANGLES AND TRIANGLES ( NOT CONSTRUCTION)**

**SECTION3> MATHEMATICS IN DAILY LIFE: SYLLABUS AS PER SECTION 1 AND SECTION 2**

**SECTION 4: > HOTS :SYLLABUS AS PER SECTION 1 AND 2**

## **CLASS 6 : SYLLABUS AND EXAM PATTERN**

**NO. OF QUESTIONS : 60**

**TOTAL MARKS : 60**

**TIME ALLOWED: 60 MINUTES**

**SYLLABUS:**

**SECTION 1: > LOGICAL APTITUDE : VERBAL AND NON VERBAL REASONING**

**SECTION 2:> MATHEMATICAL REASONING AND APTITUDE: NUMBER SYSTEM, FACTOR AND MULTIPLES,BODMAS , OPERATIONS ON FRACTIONS, INTEGERS AND DECIMALS, EXPONENTS, LINES AND ANGLES, LINEAR EQUATION IN ONE VARIABLE,POLYGONS, RATIO AND PROPORTION, UNITARY METHOD, PERIMETER AND AREA, DATA HANDLING, , QUADRILATERALS, ALGEBRAIC EXPRESSION**

**SECTION3: > MATHEMATICS IN DAILY LIFE: SYLLABUS AS PER SECTION 1 AND SECTION 2**

**SECTION 4: HIGHER ORDER THINKING ( HOTS) SYLLABUS AS PER SECTION 1 AND 2**

## **CLASS 7: SYLLABUS AND EXAM PATTERN**

**NO. OF QUESTIONS : 60**

**TOTAL MARKS : 60**

**TIME ALLOWED: 60 MINUTES**

**SYLLABUS:**

**SECTION 1: > LOGICAL APTITUDE : VERBAL AND NON VERBAL REASONING**

**SECTION 2:> MATHEMATICAL REASONING AND APTITUDE: RATIONAL NUMBERS, EXPONENTS, PERCENTAGE, PROFIT AND LOSS, SIMPLE INTEREST, ALGEBRAIC EXPRESSION, LINEAR EQUATION, UNITARY METHOD, QUADRILATERALS, TRIANGLE AND ITS PROPERTIES, LINES AND ANGLES, PERIMETER AND AREA, PROBABILITY, DATA INTERPRETATION, RATIO PROPORTION**

**SECTION3: > MATHEMATICS IN DAILY LIFE: SYLLABUS AS PER SECTION 1 AND SECTION 2**

**SECTION 4: HIGHER ORDER THINKING ( HOTS) SYLLABUS AS PER SECTION 1 AND 2**

## **CLASS 8: SYLLABUS AND EXAM PATTERN**

**NO. OF QUESTIONS : 60**

**TOTAL MARKS : 60**

**TIME ALLOWED: 60 MINUTES**

**SYLLABUS:**

**SECTION 1: > LOGICAL APTITUDE : VERBAL AND NON VERBAL REASONING**

**SECTION 2:> MATHEMATICAL REASONING AND APTITUDE:EXPONENTS, SQUARE AND SQUARE ROOTS, CUBE AND CUBE ROOTS, MENSURATION, LINEAR EQUATIONS AND OPERATIONS ON ALGEBRAIC NUMBERS, PERCENTAGE, COMPOUND INTEREST,POLYGON, FACTORISATION ,PROFIT AND LOSS, LINE AND ANGLES, TIME AND WORK, UNITARY METHOD , VOLUME AND SURFACE AREA OF SOLIDS, QUADRILATERAL, PROBABILITY, DATA INTERPRETATION**

**SECTION3: > MATHEMATICS IN DAILY LIFE:  
SYLLABUS AS PER SECTION 1 AND SECTION 2**

**SECTION 4: HIGHER ORDER THINKING ( HOTS) : SYLLABUS AS PER SECTION 1 AND 2**

## **CLASS 9: SYLLABUS AND EXAM PATTERN**

**NO. OF QUESTIONS : 60**

**TOTAL MARKS : 60**

**TIME ALLOWED: 60 MINUTES**

**SYLLABUS:**

**SECTION 1: > LOGICAL APTITUDE : VERBAL AND NON VERBAL REASONING**

**SECTION 2: > MATHEMATICAL REASONING AND APTITUDE:**

**NUMBER SYSTEM, LAWS OF EXPONENTS, REMAINDER THEOREM, ALGEBRAIC IDENTITIES, LINEAR EQUATION, LINES AND ANGLES, TRIANGLES AND ITS PROPERTIES, PROFIT AND LOSS, QUADRILATERALS, HERON'S FORMULA, SURFACE AREA AND VOLUME OF SOLIDS, PROBABILITY , STATISTICS, COMPOUND INTEREST**

**SECTION 3: > MATHEMATICS IN DAILY LIFE:**

**THE SYLLABUS OF THIS SECTION WILL BE BASED ON MATHEMATICAL APTITUDE AND QUANTITATIVE APTITUDE**

**SECTION 4: HIGHER ORDER THINKING ( HOTS) SYLLABUS AS PER SECTION 2**

## **CLASS 10: SYLLABUS AND EXAM PATTERN**

**NO. OF QUESTIONS : 60**

**TOTAL MARKS : 60**

**TIME ALLOWED : 60 MINUTES**

**SYLLABUS:**

**SECTION 1: > LOGICAL APTITUDE :**

**VERBAL AND NON VERBAL REASONING**

**SECTION 2: > MATHEMATICAL REASONING AND APTITUDE:**

**REAL NUMBERS, QUADRATIC EQUATION, ARITHMETIC PROGRESSION, REMAINDER THEOREM, TRIANGLES, COORDINATE GEOMETRY, TRIGONOMETRY, AREA RELATED TO CIRCLES AND TRIANGLES, SURFACE AREA AND VOLUMES , STATISTICS, PROBABILITY, SIMULTANEOUS LINEAR EQUATION**

**SECTION 3: > MATHEMATICS IN DAILY LIFE:**

**THE SYLLABUS OF THIS SECTION WILL BE BASED ON MATHEMATICAL APTITUDE AND QUANTITATIVE APTITUDE**

**SECTION 4: > HOTS : SYLLABUS AS PER SECTION 2**