



## **SYLLABUS - STANDARD 5**

### **PART A – MATHEMATICAL REASONING**

#### **NUMBERWORLD**

Number, Number Types, Roman Numbers, Number System, Face value, Place value, Expanded Form, Skip Counting, Comparison, Rules of Divisibility

#### **BOBO IN COMPUTATION WORLD**

Addition, Subtraction, Multiplication, Division, Order of Operation

#### **MAGIC OF UNIT**

Unitary Method, Rules in Unitary Methods

#### **I'LL BE YOUR FACTOR IF YOU ARE MY MULTIPLE**

Factors, Rules of Divisibility, Prime Number, Prime triplets, Perfect Number, Common Factors, Multiples, Common Multiples, HCF & LCM

#### **SLICE OF CAKE**

Fraction, Properties of Fraction, Types of Fractions, Equivalent Fractions, Simplification of Fractions, Comparing and Ordering Fraction, Operations on Fraction

#### **MERRY GO AROUND WITH DECIM**

Decimals, Expanded form of decimals, Decimal Places, Conversion of decimals into fractions, Equivalent Decimals, Like and Unlike Decimals, Comparing Decimals, Operations on decimals, Rounding off decimals

#### **PERCENT MACHINE**

Percentage, Conversion Factors, Fraction to Percent, Mixed Fraction to Percent, Decimal to Percent, Percent to Fraction, Percent to Decimal, Finding percent of a number, Percent and Percentage

#### **HORNBOOK OF RATIO AND PROPORTION**

Ratio, Order of number in a ratio, Comparison of Ratio, Rate, Proportion, Unitary method, Direct and Inverse variation, Average, Distance, Time and Speed

#### **LET'S MEASURE**

Measurement of Length, Measurement of Mass, Measurement of Capacity, Addition and Subtraction of Metric Measures, Temperature – Conversion Factors, Time, Calendar

#### **MONEY TIME**

Money, Conversion Factors, Calculating money, Cost Price and Selling Price, Profit and Loss, Percentage of Loss or Gain

#### **FUN WITH SHAPES**

Plane, Plane figures, Closed and open figures, Point, Line, Ray, Angles, Polygons, Triangles, Quadrilaterals, Circle, Congruent Figures, Similar Figures

#### **HOW TO MEASURE AN OBJECT?**

Perimeter of Triangle, Square and Rectangle, Area of Triangle, Square and Rectangle, Volume of Cube and Cuboid

#### **WAYS TO HANDLE DATA**

Data, Types of Graphs, Pictograph, Bar Graph, Line Graph, Pie Chart

### **PART B – LOGICAL REASONING**

Patterns, Ranking Test and Alphabet Test, Coding - Decoding, Figure Matrix and Mirror Images, Direction Sense Test, Higher Order Thinking Questions