

**THE BSS SCHOOL**

**SYLLABUS 2026-27**

**MATHEMATICS**

**CLASS VI**

Book : Foundation Mathematics for class 6- By R .S .Aggarwal

**UNIT TEST**

- 1) Number system
  - Number system
  - Operation on whole numbers
  - Integers
  - Fractions
  - Decimal fractions
- 2) Lines and angles
  - Fundamental Geometrical concepts
  - Measuring and constructing line segment with scale
  - Measuring and constructing angles using protractor

**HALF YEARLY EXAMINATION**

- 1) Number system
  - Playing with numbers
  - Sets
- 2) Ratio and Proportion
  - Ratio and Proportion
  - Unitary method
- 3) Algebra

Fundamental concepts of Algebra (From Introduction till Substitution in Polynomials)

- 4) Geometry
  - Angles
  - Triangles
  - Recognition of 3D shapes (solids)
  - Constructions-
    - Construction of perpendicular bisector of line segment
    - Constructions of angles using compass-  $60^\circ$ ,  $120^\circ$ ,  $180^\circ$
    - Construction of angle bisector
    - Constructions of angles using compass-  $30^\circ$ ,  $90^\circ$ ,  $45^\circ$

**(All chapters of unit test are included)**

## **FINAL EXAMINATION**

### 1) Ratio and Proportion

- Percentage
- Speed, Distance and Time

### 2) Algebra

- Addition and Subtraction of Algebraic Expressions
- Linear equations

### 3) Geometry

- Quadrilaterals
- Circles
- Polygons
- Symmetry
- Constructions-
  - Constructions of angles using compass-  $75^\circ$ ,  $105^\circ$ ,  $135^\circ$
  - Angle equal to given angle using compass
  - Drawing a line perpendicular to a given line from a point : a) on the line b) outside the line
  - Construction of a Circle

### 4) Mensuration

Perimeter and Area of plane figures

### 5) Data handling

- Data handling
- Graphical representation of Data
- Mean and Median

**(All chapters of Half yearly examination are included)**