THE BSS SCHOOL
SYLLABUS 2024-25
MATHEMATICS
CLASS – VI

Book ICSE Understanding Mathematics Part-6 {M.L Aggarwal) APC Publications.

UNIT TEST:
1)Number System
- Knowing our numbers, Whole numbers, Integers.

2)Fractions and Decimals
3)Lines and Angles-
- Measuring line segment with scale
- Measuring angles using protractor.

FIRST TERM

1)Number System
- Playing with numbers
- Sets

2)Ratio and Proportion
3)Algebra
- From Introduction till Algebraic Expressions

4) Geometry-
- Construction of perpendicular bisector of line segment
- Construction of angle bisector
- Curves
- Triangle
- Quadrilateral
- Circle
- Understanding Elementary shapes of 2D and 3D
- Constructions of angles using compass- 60°,120°,180°,30°.
  (ALL CHAPTERS OF UNIT TEST ARE INCLUDED)

FINAL TERM

1)Algebra-
- Addition and Subtraction of Algebraic Expressions
- Linear Equations

2)Geometry-
- Symmetry
- **Constructions-**
- Constructions of angles using compass 90°,45°,75°,105°,135°.
- Angle equal to given angle using compass.

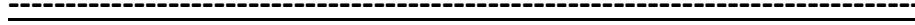- Drawing a line perpendicular to a given line from a point: a) on the line b) outside the line
- Construction of a circle

3)Mensuration
4)Data Handling

(ALL CHAPTERS OF FIRST TERM ARE INCLUDED)

[Kindly note that slight variations may occur.]

THE BSS SCHOOL
SYLLABUS 2024-25
MATHEMATICS
CLASS-VII

Book ICSE Understanding Mathematics Part -7 (M.L Aggarwal) APC Publications.

UNIT TEST:

1. Integers
2. Fractions and Decimals:
3. Rational Numbers.
4. Lines and Angles.

FIRST TERM

1. Ratio and Proportion

- Ratio and Proportion
- Unitary Method (Direct and Inverse variation).
- Percentage
- Profit and Loss
- Sets.

2. Algebra

- Algebraic Expressions
- Simple linear equation in one variable .

3. Geometry

- Construction of Angles using compass 30°, 60°, 120°, 180°, 90°, 45°, 75°, 105°, 135°.
- Properties of Triangles.
- Construction of simple Triangles.

(ALL CHAPTERS OF UNIT TEST ARE INCLUDED)

FINAL TERM

1. Number System

- Exponents and Powers.

2. Ratio and proportion

- Simple Interest
- Speed, Distance, Time.

3. Algebra

- Linear Inequalities.

4. Geometry

- Congruence of Triangles
- Symmetry.
- Representing 3-D in 2-D.
- **Construction**

- Construction of a line parallel to a given line from a point outside it.

5. <u>Mensuration</u>

6. <u>Data Handling</u>

(ALL CHAPTERS OF FIRST TERM ARE INCLUDED)

[Kindly note that slight variations may occur.]

THE BSS SCHOOL
SYLLABUS 2024-25
MATHEMATICS
CLASS-VIII

Book ICSE Understanding Mathematics Part – 8 (M.L. Aggarwal) APC Publications.

UNIT TEST:

1. Rational Numbers
2. Exponents and Powers
3. Understanding Shapes

FIRST TERM

1. Number System

- Squares and Square Roots
- Cubes and Cube Roots
- Playing With Numbers
- Sets

2. Algebra

- Algebraic Expressions
- Factorisation
- Linear Equations

3. Ratio and Proportion

- Percentage and its Applications

4. Geometry

- Construction of Quadrilaterals
- Circles
- Representing 3-D in 2-D

(ALL CHAPTERS OF UNIT TEST ARE INCLUDED)

FINAL TERM

1. Geometry

- Symmetry

2. Data Handling

3. Algebra

- Inequalities in One Variable

4. Ratio and Proportion

- Simple and Compound Interest
- Direct and Inverse Variation
- Time and Work

5. Mensuration

(ALL CHAPTERS OF 1ˢᵗ TERM ARE INCLUDED)

[Kindly note that slight variations may occur.]

Book : ICSE Understanding Mathematics class 9 (M.L AGGARWAL)

- ➢ Rational and Irrational numbers.
- ➢ Triangles
- ➢ Expansions.
- ➢ Factorization.

UNIT TEST
　　　Commercial Mathematics

- ➢ Compound Interest.
- ➢ Algebra
- ➢ Indices.
- ➢ Logarithms.
- ➢ Geometry
- ➢ Rectilinear Figures
- ➢ Midpoint and Intercept Theorem.
- ➢ Mensuration
- ➢ Area and Perimeter of Triangles and Quadrilaterals.
- ➢ Circle: Area and Circumference.
- ➢ Statistics

[ALL CHAPTERS OF UNIT TEST ARE INCLUDED]

FINAL TERM

- ➢ Algebra
- ➢ Simultaneous linear equations.
- ➢ Problems on Simultaneous linear equations.
- ➢ Geometry
- ➢ Pythagoras Theorem.
- ➢ Theorems on Area.
- ➢ Circles.
- ➢ Trigonometry
- ➢ Trigonometric Ratios.

- Trigonometric Ratios of Standard Angles.

- Mensuration:

- Surface Area and Volume of 3-D Solids.

- Co-ordinate Geometry

[FINAL EXAMINATION INCLUDES THE ENTIRE SYLLABUS AS PER ICSE SCOPE OF SYLLABUS

THE BSS SCHOOL
SYLLABUS 2024-25
MATHEMATICS
CLASS-X

Book: ICSE Understanding Mathematics class 10 (M.L AGGARWAL)

UNIT TEST

- ➢ Quadratic equations in one variable.
- ➢ Banking.
- ➢ Similarity.
- ➢ Construction of Circumcircle and Incircle.

FIRST TERM

1. Algebra
- ➢ Linear Inequations.
- ➢ Factorisation of Polynomials.
- ➢ Ratio and Proportion.
- ➢ Matrices.

2.Geometry
- ➢ Circles.
- ➢ Construction of tangents to a circle from an external point.

3.Co-ordinate Geometry
- ➢ Reflection.
- ➢ Section Formula.

4.Trigonometry
- ➢ Trigonometric Identities.
- ➢ Height and Distance.

5.Statistics
- ➢ Measures of Central Tendency.

6.Commercial Mathematics
- ➢ Goods and Service Tax (G.S.T).

[All Chapters of Unit Test are included]

FINAL TERM

1.Algebra
- ➢ Arithmetic and Geometric Progression.

2.Commercial Mathematics
- ➢ Shares and Dividends.

3. Geometry
- ➢ Loci.

4.Coordinate Geometry
- ➢ Equation of a straight line.

5.Probability.

6.Mensuration.

[FINAL EXAMINATION INCLUDES THE ENTIRE SYLLABUS AS PER ICSE SCOPE OF SYLLABUS]