OUTLINE OF THE CONTENT TO THE SYLLABUS (INTEGRATED FORM)

Unit No. **FORM I**

1. Numbers and counting.
2. Formulae, open sentences and simple equations.
3. Use of protractor and compasses and basic properties of angles and simple shapes.
4. Percentages.
5. Simple areas and volumes.
6. Approximation and measurement.
7. Negative numbers and the extended number line.
8. Introduction to coordinates.
9. Algebraic expressions.
10. Angle and line segment bisection.
11. Angles and parallel lines.
12. More about negative numbers.
13. Statistical data.
14. More about algebraic expressions.

Unit No. **FORM II**

1. Rate, ratio and proportion.
2. Angles of triangles and polygons.
3. Approximation.
4. Pythagoras' Theorem: use of square root tables.
5. Polynomials.
6. The sine, cosine and tangent ratios.
7. Trigonometric relations.
8. Use of formulae.
9. More about coordinates.
10. Circle, rectangular block, prism and cylinder.
11. Using percentages.
12. Simultaneous linear equations in two unknowns.
13. Equations and identities.
14. Frequency distribution and its graphical representations.

Unit No. **FORM III**

1. More about percentages.
2. Laws of indices.
3. Common logarithms.
4. More about congruence, similarity and parallels.
5. Coordinate geometry of straight lines.
6. Mensuration.
7. Inequalities in algebra.
8. Quadratic equations.
9. Simple idea of probability.
10. Using trigonometry.
11. Measures of central tendency.
12. Uses and abuses of statistics.

Unit No. **FORMS IV and V**

1. More about quadratic equations; surds.
2. Basic properties of a circle.
3. Functions.
4. More about polynomials.
5. Proportion and variation.
6. More about trigonometry.
7. Arithmetic and geometric progressions.
8. Probability and statistics.
9. Inequalities.
10. Application of trigonometry.
11. Coordinate treatment of straight lines and circles.
12. Approximate solution of simple equations.