DELHI PUBLIC SCHOOL, JAMMU
SESSION: (2022-2023)

SUBJECT: MATHEMATICS
CLASS: X

OBJECTIVES:

1. To acquire knowledge and understanding, particularly by way of motivation and visualization, of basic concepts, terms, principles and symbols and underlying processes and skills;
2. To develop mastery of basic algebraic skills;
3. To develop an interest in students to study Mathematics as a discipline
4. feel the flow of reason while proving a result or solving a problem;
5. To develop awareness of the need for national integration, protection of environment, observance of small family norms, removal of social barriers, elimination of gender biases;
6. To develop reverence and respect towards great Mathematicians for their contributions to the field of Mathematics;
7. To develop interest in the subject by participating in related competitions;
8. To develop ability to think, analyze and articulate logically.

Sr.No.	Month	Name of Chapter
1	April	1. Real Numbers. 2. Polynomials.
2	May/June	3. Introduction To Trigonometry. 4. Triangles.
3	July/August	5. Area related to circles. 6. Some application To Trigonometry.
4	September	7. Linear Equations. 8. Probability. 9. Coordinate Geometry.
5	October	10. Circles. 11. Statistics.
6	November	12. Arithmetic Progression. 13. Quadratic Equations.
7	December	**Revision for Pre-Board-1** **Pre- Board-1 (Tentative)**
8	January	14. Surface area and Volume. **Revision for Pre-Board-2**
9		**Pre-Board- 2(Tentative)**

FORMATIVE ASSESSMENT-1

1. REAL NUMBERS
2. POLYNOMIALS
3. INTRODUCTION TO TRIGONOMETRY

PRE-BOARD-1
1. REAL NUMBERS
2. POLYNOMIALS
3. INTRODUCTION TO TRIGONOMETRY
4. PROBABILITY
5. TRIANGLES
6. PAIR OF LINEAR EQUATIONS IN TWO VARIABLES.
7. COORDINATE GEOMETRY
8. AREA RELATED TO CIRCLES.
9. QUADRATIC EQUATIONS
10. ARITHMETIC PROGRESSIONS
11. SOME APPLICATION TO TRIGONOMETRY
12. CIRCLES
13. STATISTICS

PRE-BOARD-2
1. REAL NUMBERS
2. POLYNOMIALS
3. PAIR OF LINEAR EQUATIONS IN TWO VARIABLES.
4. INTRODUCTION TO TRIGONOMETRY
5. PROBABILITY
6. TRIANGLES
7. COORDINATE GEOMETRY
8. AREA RELATED TO CIRCLES.
9. QUADRATIC EQUATIONS
10. ARITHMETIC PROGRESSIONS
11. SOME APPLICATION TO TRIGONOMETRY
12. CIRCLES
13. STATISTICS
14. SURFACE AREA AND VOLUME.

ENRICHMENT ACTIVITY:

HALF YEARLY
1. To verify the conditions for consistency of a system of linear equations in two variables by graphical representation.
2. To verify the basic proportionality theorem by using parallel lines board, triangle cut outs.

ANNUAL
1. To compare the curved surface areas and total surface areas of two right circular cylinders which are formed from rectangular sheets of paper with same dimensions.
To set the idea of probability of an event through a double colour cards experiment.