DELHI PUBLIC SCHOOL, JAMMU
SESSION: 2021-2022

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.

S.NO	MONTH	NAME OF THE LESSON/CHAPTER
1.	APRIL	1. REAL NUMBERS 2. POLYNOMIALS
2.	MAY	3. PAIR OF LINEAR EQUATIONS IN TWO VARIABLES. 4. INTRODUCTION TO TRIGONOMETRY
3.	JULY	5. STATISTICS 6. PROBABILITY
4.	AUGUST	7. TRIANGLES 8. SOME APPLICATION TO TRIGONOMETRY
5.	SEPTEMBER	9. CIRCLES 10. CONSTRUCTIONS 11. COORDINATE GEOMETRY
6.	OCTOBER	12. ARITHMETIC PROGRESSION 13. QUADRATIC EQUATIONS
7.	NOVEMBER	14. SURFACE AREAS AND VOLUMES 15. AREA RELATED TO A CIRCLE
8.	DECEMBER	PREBOARD-I
9.	JANUARY	PREBOARD-II
10.	FEBRUARY	REVISION + DOUBT CLEARING SESSION

FORMATIVE ASSESSMENT-1

1. REAL NUMBERS
2. POLYNOMIALS

HALF YEARLY:

1. REAL NUMBERS
2. POLYNOMIALS
3. PAIR OF LINEAR EQUATIONS IN TWO VARIABLES.
4. INTRODUCTION TO TRIGONOMETRY
5. STATISTICS
6. PROBABILITY
7. TRIANGLES
8. SOME APPLICATION TO TRIGONOMETRY
9. CIRCLES

PREBOARD-I

1. REAL NUMBERS
2. POLYNOMIALS
3. PAIR OF LINEAR EQUATIONS IN TWO VARIABLES
4. QUADRATIC EQUATIONS
5. ARITHMETIC PROGRESSIONS
6. TRIANGLES
7. COORDINATE GEOMETRY
8. INTRIDUCTION TO TRIGONOMETRY
9. SOME APPLICATION TO TRIGONOMETRY
10. CIRCLES
11. CONSTRUCTIONS
12. AREAS RELATED TO CIRCLES
13. SURFACE AREAS AND VOLUMES
14. STATISTICS
15. PROBABILITY

PREBOARD-II:

1. REAL NUMBERS
2. POLYNOMIALS
3. PAIR OF LINEAR EQUATIONS IN TWO VARIABLES
4. QUADRATIC EQUATIONS
5. ARITHMETIC PROGRESSIONS
6. TRIANGLES
7. COORDINATE GEOMETRY
8. INTRIDUCTION TO TRIGONOMETRY
9. SOME APPLICATION TO TRIGONOMETRY
10. CIRCLES
11. CONSTRUCTIONS
12. AREAS RELATED TO CIRCLES
13. SURFACE AREAS AND VOLUMES
14. STATISTICS
15. PROBABILITY

ENRICHMENT ACTIVITY:

TERM 1:
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.

TERM 2:
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.
2. To set the idea of probability of an event through a double colour cards experiment.
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