Class XII
Session: 2023-24
Mathematics

Objectives

The broad objectives of teaching Mathematics at senior school stage intend to help the students:

• To acquire knowledge and critical understanding, particularly by way of motivation and visualization, of basic concepts, terms, principles, symbols and mastery of underlying processes and skills.

• To feel the flow of reasons while proving a result or solving a problem.

• To apply the knowledge and skills acquired to solve problems and wherever possible, by more than one method.

• To develop positive attitude to think, analyze and articulate logically.

• To develop interest in the subject by participating in related competitions.

• To acquaint students with different aspects of Mathematics used in daily life.

• To develop an interest in students to study Mathematics as a discipline.

• 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.

• To develop reverence and respect towards great Mathematicians for their contributions to the field of Mathematics.

Curriculum Division :

UT – 1

1. Chapter 3 – Matrices
2. Chapter 4 – Determinants

TERM – 1
1. Chapter 1 – Relations and Functions
2. Chapter 2 – Inverse Trigonometric Functions
3. Chapter 3 – Matrices
4. Chapter 4 – Determinants
5. Chapter 5 – Continuity and Differentiability
6. Chapter 6 – Application of Derivatives
7. Chapter 7 – Integrals

UT – 2
1. Chapter 8 – Application of Integrals
2. Chapter 9 – Differential Equations

TERM – 2
1. Chapter 1 – Vector Algebra
2. Chapter 11 – Three Dimensional Geometry
3. Chapter 12 – Linear Programming
4. Chapter 13 – Probability

PRE – BOARD
Whole syllabus (Chapter 1 – 13)