

Class – X
DELETED SYLLABUS
(For the Session of 2020-21 Only)
MATHEMATICS
(THEORY)

UNIT I : NUMBER SYSTEMS

1. REAL NUMBERS

Euclid's division lemma.

UNIT II : ALGEBRA

1. POLYNOMIALS

Statement and simple problems on division algorithm for polynomials with real coefficients.

2. PAIR OF LINEAR EQUATIONS IN TWO VARIABLES

Cross multiplication.

UNIT III : TRIGONOMETRY

1. INTRODUCTION TO TRIGONOMETRY

Motivate the ratios, whichever are defined at 0° & 90°

2. TRIGONOMETRIC IDENTITIES

Trigonometric ratios of complementary angles.

UNIT IV : COORDINATE GEOMETRY

1. LINES (In two-dimensions)

Area of a triangle.

UNIT V : GEOMETRY

1. TRIANGLES

- (Prove) The ratio of the areas of two similar triangles is equal to the ratio of the squares on their corresponding sides.
- (Prove) In a triangle, if the square on one side is equal to sum of the squares on the other two sides, the angles opposite to the first side is a right triangle.

3. CONSTRUCTIONS

- Construction of a triangle similar to a given triangle.

UNIT VI : MENSURATION

1. AREAS RELATED TO CIRCLES

120°

2. SURFACE AREAS AND VOLUMES

(i) Frustum of a cone.

UNIT VII : STATISTICS AND PROBABILITY

1. STATISTICS

Cumulative frequency graph.