

## SYLLABUS 2021-2022

**Class : XI**

**Subject : MATHEMATICS**

**Book : UNDERSTANDING ISC MATHEMATICS**

**Publisher : ARYA PUBLICATIONS**

### Term 1

1. Quadratic Equations
2. Complex Numbers
3. Trigonometry
4. Sets
5. Linear Inequalities
6. Relations and Functions
7. Binomial Theorem

### Term 2

1. Permutations and Combinations
2. Straight Lines
3. Circles
4. Sequences and Series
5. Limits and Derivatives
6. Principle of Mathematical Induction

### Term 3.

1. Probability
2. Statistics
3. Conic Sections (Sec B)/ Statistics (Sec C)
4. Mathematical Reasoning (Sec B) / Index number and Moving Averages (Sec C)
5. Introduction to Three-Dimensional Geometry/ Correlation Analysis (Sec C)

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