DELETED PORTION
MATHEMATICS - 041
CLASS XI

UNIT/ CHAPTER	SYLLABUS REDUCED
Unit- I: Sets and Functions	
1.Sets	☐ Difference of sets. ☐ Complement of a set. Properties of Complement
2.Relations & Functions	☐ (up to RXRXR). ☐ Sum, Difference, product and quotients of functions
3. Trigonometric Functions	☐ General Solutions of trigonometric equations of the type siny=sina, cosy=cosa and tany= tana.
Unit II: Algebra	
1.Principle of Mathematical Induction	☐ Delete full chapter
2.Complex Numbers and Quadratic Equations	☐ Polar representation of complex numbers. ☐ Square root of a complex number.
3.Linear Inequalities	Nil
4. Permutations and Combinations	☐ Derivationof formulae for $^nP_r$and^nC_r
5.Binomial theorem	☐ Delete full Chapter
6. Sequence and Series	☐ Formulae for the following special sums $\sum k, \sum k^2, \sum k^3$.
Unit III: Coordinate geometry	
1.Straight Lines	☐ Shifting of origin. ☐ Equation of family of lines passing through the point of intersection of two lines.
2 Conic sections	☐ a point, a straight line and a pair of intersecting lines as a degenerated case of a conic section.
3.Introduction to Three-dimensional Geometry	Nil
Unit-IV : Calculus	
1.Limits and Derivatives	Nil
Unit-V : Mathematical Reasoning	
1.Mathematical Reasoning	☐ Delete full chapter
Unit-VI: Statistics and Probability	

1. Statistics	☐ Analysis of frequency distributions with equal means but different variances.
2. Probability	☐ Axiomatic (set theoretic) probability, connections with other theories of earlier classes