CLASS XI
MATHEMATICS-041
SPLIT-UP SYLLABUS 2025-2026

EXAM	TOPIC/CHAPTER	Experiments/Activity/Project	WEIGHTAGE
PT-I APRIL To JUNE	Ch-1: Sets Ch-12: Limits and Derivatives	1. **Visual Representation of Set operations:** To represent set theoretic operations using Venn diagrams	15
HALF – YEARLY JULY To SEPTEMBER	Ch-2: Relations and Functions Ch-3: Trigonometric Functions Ch-4: Complex No. and Quadratic equation Ch-6: Permutations and Combination Ch-7: Binomial Theorem	2. **Trigonometric Function Exploration across Quadrants:** To find the values of sine and cosine function in second, third and fourth quadrants using their given values in first quadrants	31
PT-II OCTOBER To DECEMBER	Ch-5: Linear Inequalities Ch-8: Sequences and Series Ch-11: Introduction to Three-Dimensional Geometry Ch-10: Conic Section	3. **Binomial Theorem & Pascal's Triangle Activity:** To construct a Pascal's triangle and to write binomial expansion for a positive integral exponent	18
YEARLY JANUARY To MARCH	Ch-9: Straight lines Ch-13: Statistics Ch-14: Probability	4. **Geometrical Construction of Conic Sections:** To construct different types of conic sections	16
TOTAL MARKS			**70**