

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

EXAM	TOPIC/CHAPTER	Experiments/Activity/Project	WEIGHTAGE
PT-I APRIL To JUNE	Ch-1: Relations and Functions	1. Set Theory Problem Solving: To determine the number of relations on the set $A = \{1,2,3\}$ Containing (1,2) and (2,3) that are reflexive, transitive but not symmetric.	4
	Ch-2: Inverse Trigonometric Functions		4
	Ch-12: Linear Programming		5
	Ch-3: Matrices		5
	Ch-4: Determinants		5
HALF – YEARLY JULY To SEPTEMBER	Ch-7: Integrals	2. Problem Modelling: To understand how to model real-world scenarios using variable, constraints and objective functions in the forms of linear Programming Problem.	7
	Ch-8: Applications of Integral		7
	Ch-5: Continuity and Differentiability		7
	Ch-6: Application of Derivatives		7
PT-II OCTOBER To DECEMBER	Ch-9: Differential Equation	3. Conceptual Demonstration on Hypothetical Case: To explain the computation of conditional Probability of a given event A, when event B has already occurred through an example of throwing a pair of dice.	7
	Ch-13: Probability		8
	Ch-10: Vectors		7
	Ch-11: Three-Dimensional Geometry		7
YEARLY JANUARY To MARCH	REVISION	4. Algebraic Demonstration: To demonstrate a function which is <i>one-one</i> but not <i>onto</i> .	
	TOTAL MARKS		70