Syllabus CBSE Mathematics Class 12, 2025-26

Chapter 1	**Relation and Functions**
	Introduction
	Types of Relations
	Types of Functions
	Composition of functions and Inverted Functions
Chapter 2	**Inverse Trigonometric Functions**
	Introduction
	Basic Concepts
	Properties of Inverse Trigonometric Functions
Chapter 3	**Matrices**
	Introduction
	Matrix
	Types of Matrix
	Operation on Matrices
	Transpose of a Matrix
	Symmetric and Skew Symmetric Matrices
	Invertible Matrices
Chapter 4	**Determinants**
	Introduction
	Determinant
	Area of a Triangle
	Minors and Co factors
	Adjoint and Inverse of a Matrix
	Applications of Matrices and Determinants
Chapter 5	**Continuity and Differentiability**
	Introduction
	Continuity
	Differentiability
	Exponential & Logarithm Functions
	Logarithm Differentiation
	Derivatives of functions
	Second Order Derivative

Chapter 6	**Application of Derivatives**
	Introduction
	Rate of Change of Quantities
	Increasing and Decreasing Functions
	Maxima and Minima
Chapter 7	**Integrals**
	Introduction
	Integration as an Inverse Process of Differentiation
	Methods of Integration
	Integrals of Some Particular Functions
	Integration by Partial Fractions
	Integration by Parts
	Definite Integral
	Fundamental Theorem of Calculus
	Evaluation of Definite Integrals by Substitution
	Some Properties of Definite Integrals
Chapter 8	**Applications of Integrals**
	Introduction
	Area under Simple Curve
Chapter 9	**Differential Equations**
	Introduction
	Basic Concepts
	General and Particular Solutions of a Differential Equation
	Methods of Solving First Order, First Degree 306 Differential Equations
Chapter 10	**Vector Algebra**
	Introduction
	Basic Concepts
	Types of vectors
	Addition of Vector
	Multiplication of Vector of a scalar
	Product of two vector
Chapter 11	**Three Dimensional Geometry**
	Introduction

	Direction Cosines and Direction Ratios of a Line
	Equation of a Line in Space
	Angle between Two Lines
	Shortest Distance between Two Lines
Chapter 12	**Linear Programming**
	Introduction
	Linear Programming Problem and its Mathematical Formulation
Chapter 13	**Probability**
	Introduction
	Conditional Probability
	Multiplication Theorem on Probability
	Independent Events
	Baye's Theorem