

CBSE Class 12 Maths Syllabus Deleted Portion for 2020-21

CLASS XII

UNIT/CHAPTER	SYLLABUS REDUCED
Unit1: Relations and Functions	
1. Relations and Functions	<input type="checkbox"/> composite functions, inverse of a function.
2. Inverse Trigonometric Functions	<input type="checkbox"/> Graphs of inverse trigonometric functions <input type="checkbox"/> Elementary properties of inverse trigonometric functions
Unit2: Algebra	
1. Matrices	<input type="checkbox"/> existence of non-zero matrices whose product is the zero matrix. <input type="checkbox"/> Concept of elementary row and column operations. <input type="checkbox"/> proof of the uniqueness of inverse, if it exists.
2. Determinants	<input type="checkbox"/> properties of determinants <input type="checkbox"/> Consistency, inconsistency and number of solutions of system of linear equations by examples,
Unit-III: Calculus	
1. Continuity and Differentiability	<input type="checkbox"/> Rolle's and Lagrange's Mean Value Theorems (without proof) and their geometric interpretation.
2. Applications of Derivatives	<input type="checkbox"/> rate of change of bodies, use of derivatives in approximation <input type="checkbox"/>
3. Integrals	$\int \sqrt{ax^2 + bx + c} dx,$ $\int (ax + b)\sqrt{ax^2 + bx + c} dx$ <input type="checkbox"/> Definite integrals as a limit of a sum
4. Applications of the Integrals	<input type="checkbox"/> Area between any of the two above said curves
5. Differential Equations	<input type="checkbox"/> formation of differential equation whose general solution is given. <input type="checkbox"/> Solutions of linear differential equation of the type: $\frac{dx}{dy} + px = q,$ where p and q are functions of y or constants.
Unit-IV: Vectors and Three-Dimensional Geometry	
1. Vectors	scalar triple product of vectors.
2. Three - dimensional Geometry	<input type="checkbox"/> Angle between (i) two lines, (ii) two planes, (iii) a line and a plane

Unit-V: Linear Programming	
1. Linear Programming	<input type="checkbox"/> mathematical formulation of L.P. problems <input type="checkbox"/> (unbounded)
Unit-VI: Probability	
1. Probability	<input type="checkbox"/> mean and variance of random variable. Binomial probability distribution.

