MATHEMATICS (Commerce)

Sl No.	Chapter	Focus area
1	RELATIONS AND FUNCTIONS	1.2 Types of Relations
		1.3 Types of Functions
		1.4 Composition of Functions and Invertible Function
2	INVERSE• TRIGONOMETRIC• FUNCTIONS	2.3 Properties of Inverse Trigonometric Functions
3	MATRICES	3.2 Matrix
		3.3 Types of Matrices
		3.4 Operations on Matrices
		3.5 Transpose of a Matrix
		3.6 Symmetric and Skew Symmetric Matrices
4	DETERMINANTS	4.2 Determinant
		4.4 Area of a Triangle
		4.5 Minors and Cofactors
		4.6 Adjoint and Inverse of a Matrix
		4.7 Applications of Determinants and Matrices
5	CONTINUITY AND• DIFFERENTIABILITY	5.2 Continuity
		5.3 Differentiability
		5.6 Derivatives of Functions in Parametric Forms
		5.8 Mean Value Theorem
6	APPLICATION OF• DERIVATIVES	6.2 Rate of Change of Quantities
		6.3 Increasing and Decreasing Functions
		6.4 Tangents and Normals
7	INTEGRALS	7.3.1 Integration by substitution
		7.4 Integrals of Some Particular Functions
		7.5 Integration by Partial Fractions
		7.6 Integration by parts and 7.6.1
		7.9 Evaluation of Definite Integrals by Substitution
8	APPLICATION OF• INTEGRALS	8.2 Area under Simple Curves
9	DIFFERENTIAL• EQUATIONS	9.2 Basic Concepts
		9.4 Formation of a Differential Equation whose General• Solution is given
		9.5.1 Differential equations with variables separable
10	VECTOR•ALGEBRA	10.4 Addition of Vectors
		10.5 Multiplication of a Vector by a Scalar
		10.6 Product of Two Vectors
11	THREE•DIMENSIONAL• GEOMETRY	11.3 Equation of a Line in Space
		11.5.1 Distance between skew lines
		11.6.2 Equation of a plane perpendicular to a given vector• and passing through a given point
		11.6.3 Three point form
12	LINEAR•PROGRAMMING	12.2 Linear Programming Problem and its Mathematical• Formulation
13	PROBABILITY	13.2 Conditional Probability
		13.4 Independent Events
		13.5 Bayes' Theorem
		13.6 Random Variables and its Probability Distributions