

**CLASS -XII
MATHEMATICS**

Time: 3 Hrs

Theory: 80 Marks

INA: 20 Marks

Total: 100 Marks

1. All the questions are compulsory.
2. The question paper consists of 16 questions divided into 4 sections A, B, C, and D.
3. Section A comprises of 3 questions.
 - i. Q.No. 1 consists of 16 Multiple Choice Questions carrying 1 mark each.
 - ii. Q.No. 2 consists of 8 Fill in the Blank type questions with options carrying 1 mark each.
 - iii. Q.No. 3 consists of 8 True/False type questions carrying 1 mark each.
4. Section B comprises of 5 questions of 2 marks each.
5. Section C comprises of 5 questions of 4 marks each.
6. Section D comprises of 3 questions of 6 marks each.
7. There is no overall choice. However, an internal choice has been provided in three questions of 2 marks, three questions of 4 marks each and three questions of 6 marks each. You have to attempt only one of the alternatives in all such questions.
8. Use of calculators is not permitted.

SR. NO.	UNIT	CHAPTERS	Q. Carrying 1-Mark	Q. Carrying 2-Mark	Q. Carrying 4-Mark	Q. Carrying 6-Mark	Total Marks
1	Relations & Functions	Relations & Functions	2	-	-	-	2
2		Inverse Trigonometric Functions	2	-	1	-	6
3,4	Algebra	Matrices and Determinants	5	1	-	1	13
5	Calculus	Continuity and Differentiability	5	-	1	-	9
6		Applications of Derivatives	1	1	-	-	3
7		Integrals	4	1	1	-	10
8		Applications of the Integrals	-	1	-	-	2
9		Differential Equations	3	-	1	-	7
10	Vectors and three Dimensional Geometry	Vectors	3	1	-	-	5
11		Three Dimensional Geometry	3	-	-	1	9
12	Linear Programming	Linear Programming	1	-	-	1	7
13	Probability	Probability	3	-	1	-	7
		TOTAL QUESTIONS	3(32)	5	5	3	16
		TOTAL MARKS	32	10	20	18	80