

CLASS-XII(2024-25)**MATHEMATICS****Time: 3 Hrs**

Theory : 80 Marks
INA : 20 Marks
Total : 100 Marks

- All the questions are compulsory.
- The question paper consists of 19 questions divided into 4 sections A, B, C and D.
- Section A comprises of 2 questions.
 - Q.No.1 consists of 15 Multiple Choice Questions carrying 1 mark each.
 - Q.No.2 consists of 5 Fill in the blank type questions carrying 1 mark each.
- Section B comprises of 7 questions of 2 marks each.
- Section C comprises of 7 questions of 4 marks each.
- Section D comprises of 3 questions of 6 marks each.
- An internal choice has been provided in three questions of 2 marks, three questions of 4 marks and three questions of 6 marks each. You have to attempt only one of the alternatives in all such questions.
- Use of calculators is not permitted.

Sr. No.	UNIT	CHAPTERS	Q. Carrying 1-Mark	Q. Carrying 2-Marks	Q. Carrying 4-Marks	Q. Carrying 6-Marks	Total Marks
1	Relations & Functions	Relations & Functions	3	-	1	-	7
		Inverse Trigonometric Functions					
2	Algebra	Matrices	3	1	1	1	15
		Determinants					
3	Calculus	Continuity and Differentiability	7	5	3	1	35
		Applications of Derivatives					
		Integrals					
		Applications of the Integrals					
4	Vectors and Three Dimensional Geometry	Vectors	4	1	-	1	12
		Three Dimensional Geometry					
5	Linear Programming	Linear Programming	1	-	1	-	5
6	Probability	Probability	2	-	1	-	6
		TOTAL QUESTIONS	2(20)	7	7	3	19
		TOTAL MARKS	20	14	28	18	80