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 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. 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.
8. 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	4	-	1	-	8
		Inverse Trigonometric Functions					
2	Algebra	Matrices	5	1	-	1	13
		Determinants					
3	Calculus	Continuity and Differentiability	13	3	2	1	33
		Applications of Derivatives					
		Integrals					
		Applications of the Integrals					
		Differential Equations					
4	Vectors and Three Dimensional Geometry	Vectors	6	1	-	1	14
		Three Dimensional Geometry					
5	Linear Programming	Linear Programming	1	-	1	-	5
6	Probability	Probability	3	-	1	-	7
		TOTAL QUESTIONS	**3(32)**	**5**	**5**	**3**	**16**
		TOTAL MARKS	**32**	**10**	**20**	**18**	**80**