

BIUE - PRINT

Duration : 2 ½ hours.

Subject : Mathematics

Max marks : 80

Serial No	Unit	Content Area ↓ Type→ Marks→	OBJECTIVES																				Total
			Knowledge					Understanding					Application					Skill					
			MCQ	SA1	SA2	LA1	LA2	MCQ	SA1	SA2	LA1	LA2	MCQ	SA1	SA2	LA1	LA2	MCQ	SA1	SA2	LA1	LA2	
1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5				
1	I	Relations and Functions						8 9														4	
2		Inverse trigonometric functions	3						19*													4	
3	II	Matrices		10						24												6	
4		Determinants												25*								4	
5	III	Continuity & Derivatives			16		4		15 17													10	
6		Application of Derivatives					5													29*		6	
7		Integration			18	22			11												30*		14
8		Application of integration									23												4
9		Differential Equations	1					6			27*												6
10	IV	Vectors		12											20							5	
11		3 – Dimensional Geometry		13			2			26												7	
12	V	Linear Programming																			28	4	
13	VI	Probability		14			7							21*								6	
			2(1)	4(2)	2(3)	1(4)	--	5(1)	3(2)	3(3)	4(4)	--	--	--	2(3)	1(4)	2(5)				1(4)	30(80)	
			20 marks					36 marks					20 marks					4 marks					80

<i>Knowledge</i> : 20 marks (25%)	<i>Easy</i> : 24 30%
<i>Understanding</i> : 36 marks (45%)	<i>Average</i> : 40 50%
<i>Application</i> : 20 marks (25%)	<i>Difficult</i> : 16 20%
<i>Skill</i> : 04 marks (5%)	<i>Total</i> 80 100%

N.B. 1. \* means choice.

2. Numbers inside represent question numbers.

