



**GOA BOARD OF SECONDARY AND HIGHER SECONDARY EDUCATION**  
ALTO BETIM – GOA 403 521

BLUE- PRINT

( XII Science model question paper )

Class : XII

Subject : Mathematics

Maximum Marks : 80

Duration : 2 1/2 Hrs.

Sr. No.	Content Area	OBJECTIVES																				Total
		KNOWLEDGE					UNDERSTANDING					APPLICATION					SKILL					
		VSA	SA1	SA2	LA1	LA2	VSA	SA1	SA2	LA1	LA2	VSA	SA1	SA2	LA1	LA2	VS A	SA1	SA2	LA1	LA2	
Marks →	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5		
1	Relations and Functions		1(B)					3(B)														4
2	Inverse Trigonometric Functions	2(A)						7(C)														4
3	Continuity and Derivatives	2(D-1mk)						2(B)	1(C)	2(D-3mks)												10
		1(A)																				
4	Applications of Derivatives						6(A)									6(E)						6
5	Integrals and applications				1(D)		3(A)				7(E)					4(D)						18
					3(D)																	
6	Differential Equations								3(C)													6
									4(C)													12
7	Vectors and 3D		6(B)	2(C)				7(B)		7(D)		7(A)										6
8	Probability		4(B)				4(A)								5(C)							5
9	Matrices						5(A)									5(D)						5
10	Determinants							5(B)							6(C)							4
11	Linear Programming																				6(D)	30(80)
		20 marks					36 marks					20 marks					4 marks					30(80)

NOTE: SUBQUESTIONS, A=1 MARK, B=2 MARKS, C = 3 MARKS, D = 4 MARKS, E = 5 MARKS

Knowledge : 20 marks (25%) , Application : 20 marks (25%) , Easy : 16 marks (20%) , Difficult : 16 marks (20%)

Understanding : 36 marks (45%) , Skill : 04 marks (5%) , Average : 48 marks (60%) , Total : 80

