



FORMAT OF BLUEPRINT Mathematics

Subject: Mathematics

Class: XII

Unit/Paper: Final Summative Exam

Max Marks: 80

Time: 3hrs

Objective	Awareness												Sensitivity												Creativity																				Total Row Wise
Form of Questions	Knowledge				Understanding of the construct				Understanding of the process				Conflict Resolution				Open Mindedness				Collaboration				Generate Innovative Ideas				Flexibility				Fluency				Exploration				Combining Idea & Concepts				
Content Unit/ Sub Unit	LA	SA	VSA	O	LA	SA	VSA	O	LA	SA	VSA	O	LA	SA	VSA	O	LA	SA	VSA	O	LA	SA	VSA	O	LA	SA	VSA	O	LA	SA	VSA	O	LA	SA	VSA	O	LA	SA	VSA	O					
1				1x1(1)											1x2(13)		1x3(28)																										5		
2										1x3(29)																																	3		
3								1x2(14)																														1x1(2)					3		
4										1x2(15)											1x1(3)														1x1(5)	1x4(34)						7			
5	1x4(35)										1x2(19)																	1x2(18)															8		
6																1x2(17)								1x2(16)										1x1(4)									6		
7							1x2(20)								1x2(21)																												8		
8				1x1(6)						1x4(36)										1x2(22)																					1x1(7)_SJT			5	
9			1x2(24)			1x3(30)															1x2(23)							1x1(8)																8	
10										1x3(31)															1x1(10)											1x1(9)							5		
11		1x3(32)																		1x2(27)					1x3(33)											1x1(12)							9		
12					1x4(38)																				1x1(11)																		5		
13										1x4(37)																		1x2(26)															8		
Sub Total	4	3	2	2	4	3	2	2	8	6	4	0	0	0	4	0	0	3	6	0	0	0	4	1	0	3	2	2	0	0	4	1	0	0	0	1	0	0	0	4	4	0	0	1	80
Total Column Wise	Marks Total 11				Marks Total 11				Marks Total 18				Marks Total 4				Marks Total 9				Marks Total 5				(Marks Total) 7				Marks Total 5				Marks Total 1				Marks Total 4				Marks Total 5				
Total	Marks Total 40												Marks Total=18												Marks Total=22																				

Notes: Figures within brackets to indicate the number of questions and figures outside the brackets to indicate marks.
Denotes that marks have been combined to form one question.



Summary Sheet for Mathematics

S. No.	Abilities	Standard for Basic & Proficient Level	Actual weightage	Question Number	No. of items
1	Awareness	50%	50%(40)	1,6,14,15,19,20,24,29,30,31,32,35,36,37,38	15
2	Sensitivity	25%	22.5%(18)	3,5,13,17,21,22,23,25,27,28	10
3	Creativity	25%	27.7%(22)	2,4,7,8,9,10,11,12,16,18,26,33,34	13

Nature of Questions	Standard for Basic, Proficient & Advance	Actual weightage	No. of Items	Marks
Long Answer (LA)	25%	25%	5	20
Short Answer (SA)	30%	22.5%	6	18
Very Short Answer (VSA)	20%	37.5%	15	30
Objective (O)	25%	15%	12	12

S. No.	Difficult Level	Standard for Basic & Proficient Level	Actual weightage	Question Number	No. of items
1	Easy	25%	17.5%(14)	1,4,6,11,14,15,20,23,24	9
2	Medium	50%	52.5%(42)	2,3,4,5,7,9,10,13,16,17,19,21,25,28,29, 31,32,34,35,38	19
3	Difficult	25%	30%(24)	8,12,18,22,26,27, 30,33,36,37	10

Topics covered: Mathematics

Chapter Name
1. Relations and Functions



2. Inverse Trigonometric Functions
3. Matrices
4. Determinants
5. Continuity and Differentiability
6. Application of Derivatives
7. Integral
8. Application of Integrals
9. Differential Equations
10. Vector Algebra
11. Three Dimensional Geometry
12. Linear Programming
13. Probability

