

Design of Question Paper
Class XI -Mathematics(041)
Annual Examination: 2021-22

1. Weightage to learning objectives

Objective	Remembering	Understanding	Application	Analysis & Evolution	Total
Marks	10	08	14	08	40

2. Weightage to type of questions

Form of Question	LA(05)	SA-II(3)	SA-I(2)	CBQ(1) MCQ	VSA(1)	Total
No. of Question	1	5	6	4	4	20
Marks	05	15	12	4	4	40

3. Weightage to Content

S.No.	Name of Unit	Marks
1.	Sets & Functions	10
2.	Algebra	08
3.	Coordinate geometry	10
4.	Calculus	08
5.	Statistics & Probability	04

4. Scheme of Options

There is no overall choice. However, internal choice is given in one question in Section –I, one question in Section-II, two questions in section- III, one question in Section IV & V.

5. Scheme of Sections

Part A	Section-I	4 questions of 1 mark each
	Section-II	case based questions with 4 questions
Part B	Section-III	6 questions of 2 marks each
	Section-IV	5 questions of 3 marks each
	Section-V	1 question of 5 marks.

6. Weightage to Difficulty Level

- i. Difficult Questions : 20%
- ii. Average Questions: 60%
- iii. Easy Questions: 20%

Important Note :

There can be different Blue Prints corresponding to this Design of Question Paper. The Blue Print of the Sample paper may be different from the Blue Print of final Question Paper. The Design, however, will be static in all the cases.

Blue print
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S.No.	Units	Part-A		Part – B			Marks (No.of Ques.)
		I 1mark VSA	II 1mark MCQ	III 2mark SA-I	IV 3mark SA-II	V 5mark LA	
1.	Sets & Functions a) Functions b) Trigonometric Function	-	-	2(1) *2(1)	6(2)	- -	10(4)
2.	Algebra a) Linear Inequalities b) Permutations & Combinations	1(1) 1(1)	- -	- -	3(1) *3(1)	- -	8(4)
3.	Coordinate Geometry a) Straight Line b) Conic section c) Introduction to three dimension geometry	- - 1(1)	- - -	*2(1) - 2(1)	- - -	- *5(1) -	10(4)
4.	Calculus a) Limits b) Derivatives	- *1(1)	- -	4(2) -	- 3(1)	- -	8(4)
5.	Statistics & Probability a) Probability	-	*4(4)	-	-	-	4(4)
Total		4(4)	4(4)	12(6)	15(5)	5(1)	40(20)

- * Indicates the question with internal choice.