

BLUE PRINT

Class XII Mathematics (041) · Based on CBSE Sample Question Paper 2026-27 · Max. Marks 80 · Time 3 Hours

1. Unit-wise Distribution of Marks by Question Type [entries: marks (number of questions)]

S. No.	Unit	MCQ (1 mark)	A–R (1 mark)	VSA (2 marks)	SA (3 marks)	LA (5 marks)	Case Study (4 marks)	Total Marks (Questions)	Unit Weightage (CBSE)
I	Relations and Functions	3 (3)	–	–	–	5 (1)	–	8 (4)	8
II	Algebra	3 (3)	–	–	3 (1)	–	4 (1)	10 (5)	10
III	Calculus	6 (6)	2 (2)	4 (2)	9 (3)	10 (2)	4 (1)	35 (16)	35
IV	Vectors and Three-Dimensional Geometry	3 (3)	–	4 (2)	3 (1)	–	4 (1)	14 (7)	14
V	Linear Programming	–	–	2 (1)	3 (1)	–	–	5 (2)	5
VI	Probability	3 (3)	–	–	–	5 (1)	–	8 (4)	8
	TOTAL	18 (18)	2 (2)	10 (5)	18 (6)	20 (4)	12 (3)	80 (38)	80

Section-wise summary: Section A – Q1 to Q20 (18 MCQ + 2 A–R) = 20 marks | Section B – Q21 to Q25 = 10 marks | Section C – Q26 to Q31 = 18 marks | Section D – Q32 to Q35 = 20 marks | Section E – Q36 to Q38 = 12 marks. Total: 38 questions, 80 marks.

Section E pattern: Q36 and Q37 have sub-parts of 1, 1 and 2 marks; Q38 has two sub-parts of 2 marks each.

Internal choice: Section B – Q21, Q23 | Section C – Q28, Q29, Q30 | Section D – Q32, Q34 | Section E – sub-part (iii) of Q36 and Q37.

2. Chapter-wise Distribution with Question Numbers

Unit	Ch.	Chapter	Section A (1 mark)	Section B (2 marks)	Section C (3 marks)	Section D (5 marks)	Section E (4 marks)	Chapter Marks	Unit Total
I Relations and Functions	1	Relations and Functions	–	–	–	Q32	–	5	8
	2	Inverse Trigonometric Functions	Q1, Q2, Q3	–	–	–	–	3	
II Algebra	3	Matrices	Q4, Q6	–	Q26	–	–	5	10
	4	Determinants	Q5	–	–	–	Q38	5	
III Calculus	5	Continuity and Differentiability	Q7, Q8	Q22	Q28	–	–	7	35
	6	Application of Derivatives	Q9, Q10	–	Q27	–	Q37	9	
	7	Integrals	Q12, Q19 (A–R)	Q21	–	Q33	–	9	
	8	Application of Integrals	–	–	–	Q34	–	5	
	9	Differential Equations	Q11, Q20 (A–R)	–	Q29	–	–	5	
IV Vectors & 3-D Geometry	10	Vector Algebra	Q13, Q14, Q15	Q24	–	–	–	5	14
	11	Three Dimensional Geometry	–	Q23*	Q30	–	Q36	9	
V Linear Programming	12	Linear Programming	–	Q25	Q31	–	–	5	5
VI Probability	13	Probability	Q16, Q17, Q18	–	–	Q35	–	8	8
TOTAL			20 (Q1–Q20)	10 (Q21–Q25)	18 (Q26–Q31)	20 (Q32–Q35)	12 (Q36–Q38)	80	80

Note: *Q23 is an internal choice across two chapters — Q23(A) is from Three Dimensional Geometry and Q23(B) from Vector Algebra; the unit total (14) is the same either way. Chapter numbers follow the NCERT Class XII textbooks. CBSE states there is no change in the Question Paper Design and Assessment Pattern for 2026-27.



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