

हरियाणा विद्यालय शिक्षा बोर्ड, भिवानी।

QUESTION PAPER DESIGN

CLASS- XII	SUBJECT- MATHEMATICS	BOOKS- NCERT
SESSION- 2020-21	ANNUAL/SUPPLEMENTARY	
TIME- 2.30 HOURS	MARKS- 80	

1 WEIGHTAGE TO OBJECTIVES

OBJECTIVE	K	U	A	S	TOTAL
PERCENTAGE OF MARKS	50	30	10	10	100
MARKS	40	24	08	08	80

2 WEIGHTAGE TO FORM OF QUESTIONS

FORM OF QUESTIONS	E (MARKS)	SA (MARKS)	VSA (MARKS)	OBJECTIVE TYPE (MARKS)	TOTAL
NO. OF QUESTIONS	02	04	06	40	52
MARKS ALLOTTED	12	16	12	40	80
ESTIMATED TIMES	30 Minutes	25 Minutes	35 Minutes	60 Minutes	150 Minutes

3 WEIGHTAGE TO CONTENT:

MARKS	MARKS	NO. OF QUESTIONS	TOTAL MARKS
1- Relation and Functions	10	10	10
2- Matrix and Determinants	12	7	12
3-Continuity and Differentiability	09	07	09
4- Application of Derivatives	06	03	06
5- Integrals	06	06	06
6- Application of Integrals	06	03	06
7- Differential Equations	04	03	04
8- Probability	09	05	09
9- Vectors	05	04	05
10- Three Dimensional Geometry	07	03	07
11- Linear Programming	06	01	06

4. Scheme of Sections : A:B:C:D
5. Scheme of Options : Internal Choice in long answer question i.e. essay type in two questions.
6. MCQ :- 1x18= 18, One Word Answer:- 1x12= 12, Fill in the blanks:- 1x10 = 10

Abbreviations: K (Knowledge),U(Understanding)A(Application) S(Skill)
E (Essay Type), SA(Short Answer Type), VSA (Very Short Answer Type), O (Objective Type)