

प्रश्न-पत्र बोर्ड द्वारा निर्धारित पुस्तकों से ही सेट किया जाएगा। कृपया अध्यापकगण बोर्ड द्वारा निर्धारित पुस्तकें ही पढ़ाएँ।

DESIGN QUESTION PAPER

Subject : **Mathematics**
Paper : **Annual or Supplementary**
Class : **12th** **Year 2017-18**
Time : **3 Hrs.**
Marks : **80**

1. Weightage to Objectives:

Objective	K	U	A	S	Total
Percentage of marks	50	27.5	15	7.5	100
Marks	40	22	12	6	80

2. Weightage to Form of Questions:

Forms of Questions	E	SA	VSA	O	Total
No. of Questions	4	5	10	16	35
Marks Allotted	24	20	20	16	80
Estimated Time	50	40	50	40	180min.

3. Weightage to Content:

	<u>Units/Sub-Units</u>	<u>Marks</u>
1.	Relations & Functions and Inverse Trigonometric Functions	10
2.	Matrices & Determinants	12
3.	Continuity and Differentiability	9
4.	Application of Derivatives	6
5.	Integral	6
6.	Application of Integral	6
7.	Differential Equation	4
8.	Probability	9
9.	Vectors	5
10.	Three Dimensional Geometry	7
11.	Linear Programming	6
	Total	80

4. Scheme of Sections : X X X X
5. Scheme of Options : Internal Choice in long answer question i.e. essay type in two questions.
6. Difficulty level : Difficult : 10 % marks
Average : 50 % marks
Easy : 40 % marks

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