

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

## DESIGN QUESTION PAPER

**Subject** : **Mathematics**  
**Paper** : **2<sup>nd</sup> Semester**      **Annual or Supplementary**  
**Class** : **10+2**      **Year : 2014-15**  
**Time** : **2½ 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	06	80

### 2. Weightage to Form of Questions:

Forms of Questions	E	SA	VSA	O	Total
No. of Questions	04	05	10	16	35
Marks Allotted	24	20	20	16	80
Estimated Time	30 Min.	30 Min	50 Min.	40 Min.	2.30 Hrs.

### 3. Weightage to Content:

	<u>Units/Sub-Units</u>	<u>Marks</u>
1.	Application of Derivatives	10
2.	Integrals	11
3.	Application of Intergrals	14
4.	Differential Equations	08
5.	Vectors	11
6.	3-Dimensianol Geometry	16
7.	Linear Programming	10

**Total**      80

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

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