

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

DESIGN

QUESTION PAPER

Subject : **Biotechnology**
Paper : **2nd Semester** **Annual or Supplementary**
Class : **10+2** **Year : 2014-15**
Time : **2½ Hrs.**
Marks : **60**

1. Weightage to Objectives:

Objective	K	U	A	S	Total
Percentage of marks	40	30	20	10	100%
Marks	24	18	12	06	60

2. Weightage to Form of Questions:

Forms of Questions	E	SA	VSA	O	Total
No. of Questions	03	05	09	12	29
Marks Allotted	15	15	18	12	60
Estimated Time	50	45	30	20	145

3. Weightage to Content:

	<u>Units/Sub-Units</u>	<u>Marks</u>
1.	Unit-V Protein and Gene Manipulation Chapter-II Recombinant DNA Technology	24
	Chapter-III Genomics and Bioinformatics	18
2.	Unit-VI Cell Culture Technology Chapter-III Animal Cell Culture and Applications	18

Total 60

4. Scheme of Sections : -X X X X-
5. Scheme of Options : Internal Choice in long answer question i.e. essay type.
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)