



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

Question Paper Design

Subject : Bio-Technology Class : 12<sup>th</sup> Session : 2022-23  
Paper : Annual or Supplementary Time : 2½ Hr 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:

Form of Question	E	SA	VSA	Objective type	Total
No of Question	03	05	09	12	29
Marks allotted	15	15	18	12	60
Estimated time (in Min.)	50	50	30	20	150

3 Weightage to Content:

Reading Comprehension Marks			
UNITS	Marks	No of Questions	Total Marks
1. Protein Structure and Engineering	10		10
2. Recombinant DNA Technology	10		10
3. Genomics and Bioinformatics	10		10
4. Microbial Culture and Applications	10		10
5. Plant cell culture and Applications	10		10
6. Animal Cell culture and Applications	10		10
Total	60		60

4 Scheme of Sections : A:B:C:D

5 Scheme of Sections : Internal Choice in long answer Questions i.e. essay type in two Question.

6 Difficulty level :  
Difficult : 10% Marks  
Average : 50% Marks  
Easy : 40% Marks

Abbreviations: K (Knowledge of element of language) C (Comprehension) E (Expression)  
A (Appreciation) E(Essay Type) SA (Short Answer) VSA (Very Short Answer) O (Objective Type)