

ACADEMIC YEAR – 2021-22
TERM-II
CLASS- XII
Model Test Paper Biology (Theory)

Time - 2 Hours

Max marks – 35

Important instructions

1. There are a total of 17 questions and four sections in the question paper. All questions are compulsory.
2. Section A contains question numbers 1 to 5 very short answer type questions of one mark each.
3. Section B contains question numbers 6 to 13, short answer type I questions of two marks each.
4. Section C contains question numbers 14 to 16, short answer type II questions of three marks each.
5. Section D contains question number 17, long answer type question of five marks. There will be internal choice in this question.
6. There is no overall choice in the question paper.

Section A

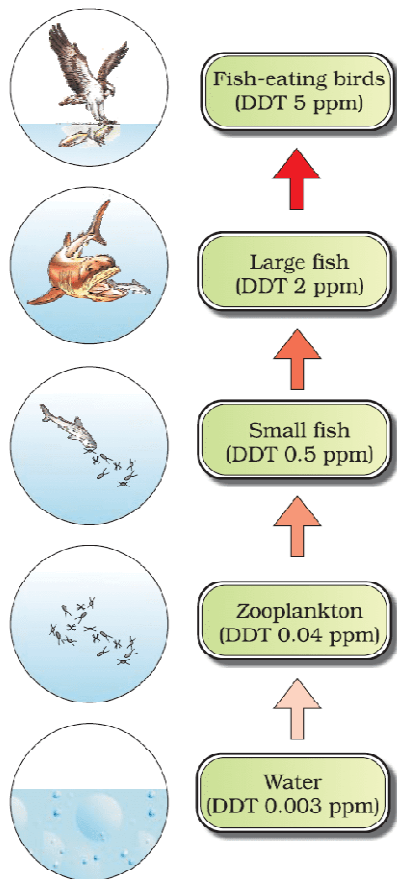
Each question carries 1 mark

- Q1) What is meant by 'Biofortification'?
- Q2) Name the Bacteria which acts as Natural Genetic Engineer.
- Q3) What is the meaning of prefix Bt in Bt cotton?
- Q4) Give an example of an ectothermic animal?
- Q5) Define Eutrophication.

Section B

Each question carries 2 marks

- Q6) What is the importance of apiculture in our daily lives?
- Q7) What are methanogens? Give an example.
- Q8) What do you mean by palindromic nucleotide sequence ?
- Q9) What is the role of Ori for cloning vector ?
- Q10) What do you mean by biopiracy?
- Q11) Differentiate between grazing food chain and detritus food chain.
- Q12) What are sacred groves?
- Q13) What does the diagram represent? Define the term.



Section C

Each question carries 3 marks

- Q14) Do you think microbes can be used as source of energy? If yes, how?
- Q15) What are Cry proteins? How has biotechnologist exploited these proteins to benefit farmers?
- Q16) Differentiate between hibernation and aestivation.

Section D

Each question carries 5 marks

- Q17) What is ecological pyramid? Explain different types of ecological pyramids with suitable diagrams.

OR

Discuss the importance of biodiversity.