

## Second Mid Term Test – November 2024

Class:12

BIOLOGY

Bio-Botany Marks:18

**I. Choose the correct answer.**

3x1=3

1. A free living nitrogen fixing cyano bacterium which can also form symbiotic association with the waterfern Azolla  
a) Nostoc    b) Anabaena    c) Chlorella    d) Rhizobium
2. Which of the succession controlled by biotic components of ecosystem?  
a) Primary Succession    b) Secondary Succession  
c) Allogenic Succession    d) Autotrophic Succession
3. Which one of the Plant act as Nitrate indicators?  
a) Lichens    b) Gladiolus    c) Petunia    d) Robinia

**II. Answer to any TWO of the following.**

2x2=4

4. What is Edge effect?
5. What is Photo synthetically Active Radiation (PAR)?
6. What are the Green house gases?

**III. Answer to any TWO of the following.**

2x3=6

7. Define : Rhytidome
8. Write importance of Food Web?
9. Write Main feature of Chipko Movement?

**IV. Answer in detail.**

1x5=5

10. Difference between Primary succession and Secondary succession.

**(OR)**

Explain-Effects of Ozone depletion

### BIO –ZOOLOGY MARKS -17

**Note : (i) Answer all the Question.(ii) Choose the appropriate answer from the four alternatives and write the option code and the corresponding answer.**

4 x 1 = 4

1. PCR proceeds in three distinct steps governed by temperature, they are in order of  
a) Denaturation, Annealing, Synthesis    b) Synthesis, Annealing, Denaturation  
c) Annealing, Synthesis, Denaturation    d) Denaturation, Synthesis, Annealing
2. The ability of a single cell to divide and produce all of the differentiated cells in an organism is called  
a) Oligopotency    b) Multipotency    c) Pluripotency    d) Totipotency
3. Organisms which can survive a wide range of temperature are called  
a) Ectotherms    b) Eurytherms    c) Endotherms    d) Stenotherms
4. Animals that can move from fresh water to sea water called as  
a) Stenothermal    b) Eurythermal    c) Catadromous    d) Anadromous

**II Note: Answer any one Question.**

1 x 2 = 2

5. What are Interferons?
6. What is Acclimatisation?

**III Note: Answer any TWO of the following. Q.No: 9 is compulsory**

7. Explain hibernation and aestivation with examples.
8. What are transgenic animals? Give examples.
9. Differentiate between Eurytherms and Stenotherms

2 X 3 = 6

**IV Answer the question.**

1 X 5 = 5

10. Explain how recombinant Insulin can be produced . **(OR)**  
List the properties of water.

