

Ph.D Course work examination, July-2023

ZOOLOGY

Course: IV. 3. Biodiversity and Limnology

Time: 3 Hours

Maximum marks: 70

Instructions to the candidates:

- 1. Answer all the questions (each carries 14 marks)*
- 2. Draw diagrams wherever necessary*

1. Describe the values of biodiversity. (14)

OR

Write a note on biodiversity acts and international conventions.

2. Describe various applications of remote sensing and GIS techniques in the assessment of biodiversity (14)

OR

Describe applications of Artificial Intelligence in water resource management.

3. Describe how physic-chemical and biological parameters determine water quality (14)

OR

Discuss waste water effluent standards against water quality indices.

4. Explain the characteristics of river beds and sediment properties. (14)

OR

Describe the regimes of sediment flow and its control

5. Highlight the potentials of freshwater fish culture in India (14)

OR

Discuss the requirements for pure cell culture to maintain live-food for shrimps.
