

2023
B.A./B.Sc.
First Semester
GENERIC ELECTIVE – 1
ZOOLOGY
Course Code: ZOG 1.11
(Aquatic Biology)

Total Mark: 70
Time: 3 hours

Pass Mark: 28

Answer five questions, taking one from each unit.

UNIT-I

1. Explain in detail about freshwater ecosystem in wetland. 14
2. Write a note on the following: 7×2=14
 - (a) Intertidal zones
 - (b) Ocean pelagic zone

UNIT-II

3. Elaborate the origin and classification of lake. 7+7=14
4. Give an account on the nutrient cycle of nitrogen in lake with a neat diagram. Add a note on the importance of turbidity measurement in lake. 10+2+2=14

UNIT-III

5. Give an account on physico-chemical environment of a stream. 14
6. Explain in detail about the different mode of adaptation of hill stream fishes. 14

UNIT-IV

7. Define coral reef. Describe the different types of coral reefs with neat diagrams. 2+10+2=14

8. Write a note on the following: 7×2=14
(a) Density of sea water
(b) Continental shelf

UNIT-V

9. What is sewage treatment? Explain the different processes involved in the sewage treatment with a neat diagram. 2+10+2=14
10. Write a note on the following: 7×2=14
(a) Conservation strategies of aquatic resources
(b) Cause of industrial pollution
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