

**SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2023
(Regular/Improvement/Supplementary)**

ZOOLOGY

GZOL6B12T: ENVIRONMENT AND CONSERVATION BIOLOGY

Time:2 Hours

Maximum Marks: 60

**SECTION A: Answer the following questions. Each carries 2 marks.
(Ceiling 20 Marks)**

1. Mention the components of an ecosystem.
2. Define synecology.
3. Discuss Law of Tolerance.
4. Define environmental resistance.
5. What is Xerarch?
6. List out the ecological benefits of tourism.
7. What is a threatened species?
8. Write notes on Periyar wildlife sanctuary.
9. Expand the following- i) IUCN, ii) WWF, iii) UNEP
10. What are Ramsar sites? Provide any two examples in Kerala.
11. Comment on Kyoto Agreement (1997).
12. What are contact or cutaneous poisons?

**SECTION B: Answer the following questions. Each carries 5 marks
(Ceiling 30 Marks)**

13. Differentiate between GPP and NPP.
14. Briefly explain about Nitrogen cycle.
15. Elaborate on r-selection and kin selection.
16. Write an account on negative interspecific interactions
17. Describe on the ecological damages of flood, drought and cyclones? Comment on their management strategies.
18. Describe the recent trends in animal tracking and sampling.
19. What are the different levels of toxicity analysis? Define LD50 and LC 50.

SECTION C: Answer any 1 question. Each carries 10 marks

20. Define population and explain the salient features of population in detail.
21. What is biodiversity? Briefly explain the different levels of biodiversity and the indices used for its estimation.

(1 x 10 = 10 Marks)