

**D6BZL2203**

**Reg. No.....**

**Name: .....**

**SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2025**

**(Regular/Improvement/Supplementary)**

**ZOOLOGY**

**GZOL6B12T: ENVIRONMENTAL AND CONSERVATION BIOLOGY**

**Time: 2 Hours**

**Maximum Marks: 60**

**SECTION A: Answer the following questions. Each carries *two* marks.**

**(Ceiling 20 marks)**

1. What is Botulism?
2. Differentiate between IUCN and UNEP.
3. Write notes on measures of toxicity.
4. List out the differences between lentic and lotic habitats.
5. What is Earth Summit? How often is it organized?
6. Give an account on the functions of an ecosystem.
7. Mention the importance of Phosphorous cycle.
8. What are toxicants?
9. State the meaning of edge effect.
10. What are Keystone species? Give one example.
11. Distinguish between GPP and NPP.
12. What is meant by Ramsar convention?

**SECTION B: Answer the following questions. Each carries *five* marks.**

**(Ceiling 30 marks)**

13. What is Biodiversity hot spot? Give a brief description on hot spots in Indian region.
14. Write an account on population growth curves.
15. What is sampling? Write a note on animal collection techniques.
16. Give a description on habitat destruction and its consequences.
17. Explain the concept of limiting factors.
18. How does ecosystem energetics help in sustaining life on earth?
19. With suitable examples, discuss about negative interactions.

**SECTION C: Answer any *one* question. The question carries *ten* marks.**

20. What are the components of Biodiversity? Discuss about its threats.
21. Explain in detail about marine ecosystem.

**(1 × 10 = 10 Marks)**