

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2026
(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 the importance of Mangroves?
2. Write down the factors affecting production rates.
3. Is sustainable development possible? Justify.
4. What are ecological indicators?
5. Explain the flood related disaster management measures.
6. What is meant by ecological efficiency?
7. Describe the use of remote sensing in estimating animal population.
8. Differentiate between LD₅₀ and LC₅₀.
9. What are the techniques used to determine the age of animals?
10. Differentiate Alpha, Beta and Gamma diversities.
11. What is meant by marking in animals? Explain the techniques.
12. Explain IUCN Red list categories.

SECTION B: Answer the following questions. Each carries five marks.
(Ceiling 30 marks)

13. What is the global strategy for conservation? Write a brief note on any four.
14. Write a note on the adaptations of animals in rocky and muddy shores.
15. Explain the role of Nitrogen in living systems.
16. What are toxicants? Classify poisons.
17. Write a brief note on the structure of ecosystem.
18. Describe the factors affecting species diversity.
19. With suitable examples, discuss about positive interactions.

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

20. Give a detailed description on the properties of population.
21. Write an essay on biodiversity conservation strategies.

(1 × 10 = 10 Marks)