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(Pages : 2)

Name.....

Reg. No.....

SIXTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION**APRIL 2026**

Zoology

ZOL 6B 12 T—ENVIRONMENTAL AND CONSERVATION BIOLOGY

(2020 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

Section A (Short Answer Type)*All questions can be answered.**Each question carries 2 marks.**(Ceiling 20 marks)*

1. What is meant by the stratification of a community ?
2. Comment on ecological indicators.
3. What are key stone species ?
4. Write a short note on mangroves.
5. What are lotic habitats ? Mention one example.
6. Explain Liebig's Law of the Minimum.
7. Write an account of ecotypes.
8. Comment on biodiversity hotspots.
9. Explain carrying capacity.
10. Write a note on the Wildlife (Protection) Act, 1972.
11. Comment on benthic organisms.
12. What are ecological indicators ?

Turn over

Section B (Paragraph/Problem Type)

All questions can be answered.

Each question carries 5 marks.

(Ceiling 30 marks)

13. Explain J-shaped and S-shaped population growth curves.
14. Describe different levels of biodiversity.
15. Write a paragraph on disaster management.
16. Explain the sedimentary cycle with an example.
17. Write an account of different types of ecological interactions.
18. Explain some commonly used techniques for studying animal populations.
19. Describe different levels of toxicity.

Section C (Essay Type)

*Answer any **one** of the following question.*

The question carries 10 marks.

20. Explain ecosystem energetics and productivity. Discuss energy flow in ecosystems and different types of productivity.
21. Discuss the importance of conserving biodiversity. Explain biodiversity conservation strategies.

(1 × 10 = 10 marks)