

22U619

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Name :

Reg. No :

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2025

(CBCSS-UG)

(Regular/Supplementary/Improvement)

CC19U ZOL6 B12 - ENVIRONMENTAL AND CONSERVATION BIOLOGY

(Zoology - Core Course)

(2019 Admission onwards)

Time: 2 Hours

Maximum: 60 Marks

Credit: 3

Part A (Short answer questions)

Answer **all** questions. Each question carries 2 marks.

1. What is artificial ecosystem?
2. What are ecological pyramids?
3. What is biological nitrogen fixation?
4. What is natality?
5. What is ecotone?
6. What is primary host?
7. Explain the concept of sustainable development.
8. Name and explain the barrier trap used to trap diurnal flying insects.
9. What do you know about food additives?
10. Name two species diversity indices and mention its application in evaluating biodiversity.
11. Explain hotspots of Biodiversity with examples from India
12. Distinguish between wildlife sanctaury and national park.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

Answer **all** questions. Each question carries 5 marks.

13. Describe components of an ecosystem.
14. Explain Law of tolerance.
15. Discuss characteristics of biotic community.
16. Explain terrestrial ecology.
17. Explain UNEP and its major functions.

18. Differentiate between LD 50 and LC 50.

19. Describe the wildlife (Protection) Act and its role in conservation of biodiversity.

(Ceiling: 30 Marks)

Part C (Essay questions)

Answer any *one* question. The question carries 10 marks.

20. Describe ecological pyramids.

21. Explain the concept of threatened species and IUCN Red list categories and Red Data Book.

(1 × 10 = 10 Marks)
