

21U618

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Name:

Reg.No:

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2024

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19U ZOL6 B12 - ENVIRONMENTAL AND CONSERVATION BIOLOGY

(Zoology - Core Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

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

1. What is competitive exclusion principle?
2. What is ecological efficiency?
3. What is upper limit of tolerance ?
4. What is population density?
5. What is vector?
6. What is environmental ethics?
7. Enlist the measures for disaster management in India.
8. Explain remote sensing and its applications in ecological studies.
9. Explain the role of IUCN in biodiversity conservation.
10. What is an umbrella species? Give example.
11. What is project Tiger?
12. Distinguish between seed bank, gene bank and germplasm banks.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

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

13. Describe biotic components in an ecosystem.
14. Discuss ecosystem dynamics.
15. Explain terrestrial carbon cycle.
16. Discuss characteristics of biotic community.

17. Describe marine ecology.
18. Discuss in detail the classification of poisons.
19. Explain the peculiarities and faunal endemism of western ghats.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Describe the mechanisms of succession.
21. Discuss in details various components and levels of biodiversity.

(1 × 10 = 10 Marks)
