

19U618

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Name:

Reg.No:

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2022

(CBCSS - UG)

CC19U ZOL6 B12 - ENVIRONMENTAL AND CONSERVATION BIOLOGY

(Zoology - Core Course)

(2019 Admission - Regular)

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 environmental science?
2. What is detritus food chain?
3. What is pyramid of number?
4. What is population?
5. What is mutualism?
6. What is Joint Forest Management?
7. Differentiate random and systematic sampling of animal population.
8. What is Ramsar convention? Mention Ramsar sites of Kerala.
9. Differentiate between LD50 and LC50
10. What are the different components of biodiversity?
11. What is an umbrella species? Give example.
12. Name the biosphere reserves of Kerala.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

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

13. Differentiate between autecology and synecology.
14. Explain oceanic carbon cycle.

15. Describe environmental factors.
16. Differentiate between stratification and zonation.
17. Discuss fresh water ecology.
18. List out the signs and symptoms of common poisoning and their antidotes.
19. Explain any three conservation projects implemented in India.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Describe the mechanisms of succession.
21. Describe the concept of megadiverse countries and biodiversity hotspots.

(1 × 10 = 10 Marks)
