

20U618

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Name: .....

Reg.No: .....

**SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2023**

(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 are ecological equivalents?
2. What is grazing food chain?
3. What are pools?
4. What is population dispersion?
5. What is exploitative competition?
6. What is Radio-collaring method?
7. What is Kyoto Agreement 1997?
8. What is drugs and cosmetic act, 1940?
9. Explain the levels of toxicity.
10. Explain mass extinctions.
11. Enlist the signs and symptoms of poisoning and their antidotes.
12. What is germplasm? Explain the methods for its conservation.

**(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. Describe pyramid of biomass.
15. Explain Law of tolerance.
16. Discuss characteristics of biotic community.
17. Explain community succession.

18. Describe the concept of sustainable development and Joint Forest Management.
19. Explain any two indices for measuring species biodiversity.

**(Ceiling: 30 Marks)**

**Part C** (Essay questions)

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

20. Describe terrestrial habitat.
21. Describe the concept of megadiverse countries and biodiversity hotspots.

**(1 × 10 = 10 Marks)**

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