

**23P116**

(Pages: 2)

Name: .....

Reg.No: .....

**FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2023**

(CBCSS - PG)

(Regular/Supplementary/Improvement)

**CC19P ZOL1 C03 - ECOLOGY AND ETHOLOGY**

(Zoology)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

**Part-A**

Answer any *four* questions. Each question carries 2 weightage.

1. Explain sampling methods in the study of behaviour in animals
2. What is major community?
3. What is tundra?
4. What is Northeast zone?
5. Write short notes on conflict behaviour.
6. Explain the concept of Biological clock.
7. Explain selfish gene theory.

**(4 × 2 = 8 Weightage)**

**Part-B**

Answer any *four* questions. Each question carries 3 weightage.

8. Describe the structure of ecosystem.
9. Explain interspecific species interactions.
10. Explain green construction and its importance in climate change
11. Explain Indian case studies in conservation biology.
12. Comment on the instinctive behaviour in organism with suitable examples.
13. Briefly explain J P Scott's categories of behaviour.
14. Give an account on social organisation in primates.

**(4 × 3 = 12 Weightage)**

**Part-C**

Answer any *two* questions. Each question carries 5 weightage.

15. Write an essay on Nitrogen cycle.
16. Describe population growth curve and the importance of life history strategies.
17. Explain carbon credit, carbon trading and blue carbon.
18. Write an essay on the role of hormones in regulating animal behaviour.

**(2 × 5 = 10 Weightage)**

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