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Name: .....

Reg.No: .....

**FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2024**

(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 the concept of habitat and niche.
2. What is mutualism?
3. Narrate green building technology. Explain its ecological importance.
4. What is project tiger?
5. Comment of circadian rhythm in animals.
6. Comment on agonistic behaviour. Cite an example.
7. What is meant by lek mating? Cite an example.

**(4 × 2 = 8 Weightage)**

**Part-B**

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

8. Explain energy flow models.
9. Describe life history strategies and interdemec extinctions.
10. Explain major terrestrial biomes.
11. Differentiate between Gangetic zone and Deccan plateau zone.
12. Comment on the instinctive behaviour in organisms with suitable examples.
13. Explain the motivation studies in Guppies.
14. Comment on the cultural transmission of behaviour.

**(4 × 3 = 12 Weightage)**

**Part-C**

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

15. Explain population growth curves with special emphasis on growth and regulation of human population
16. Write an essay on latitudinal gradient in diversity.

17. Describe major drivers of biodiversity change with special reference on India status monitoring and documentation.
18. Write an essay on the role of hormones in regulating animal behaviour.

**(2 × 5 = 10 Weightage)**

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