

22P116

(Pages: 2)

Name:

Reg.No:

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2022

(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 nudation?
3. What is blue carbon?
4. Briefly describe biodiversity with special reference to India- status monitoring.
5. Briefly explain Action Specific Energy.
6. What is corollary discharge?
7. What is social learning? Write example.

(4×2 = 8 Weightage)

Part-B

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

8. Explain carbon cycle.
9. Differentiate between herbivory and carnivory.
10. Differentiate between tropical rain forest and temperate deciduous forest.
11. Explain biogeographical zones of India.
12. Write note on various stress-displacement activities.
13. Discuss the neural basis of learning and memory.
14. Comment on the behavioural aspects of domestication.

(4×3 = 12 Weightage)

Part-C

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

15. Write an essay on energy flow models.
16. Describe population growth curve and the importance of life history strategies.
17. Write an essay on major approaches in conservation biology.
18. Write an essay on the role of hormones in regulating animal behaviour.

(2 × 5 = 10 Weightage)
