

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2022
(Regular/Improvement/Supplementary)

ZOOLOGY
FZOL2C05: ECOLOGY & ETHOLOGY

Time: 3 Hours

Maximum Weightage: 30

Part A: Answer any *four* questions. Each carries 2 weightage.

1. Define carbon credit and highlight its importance.
2. What are ethograms?
3. Distinguish Alpha diversity from Beta diversity.
4. What do you mean by resource partitioning?
5. Explain jet lag in the light of biological clock.
6. What are the characteristics of a convex survivorship curve?
7. Explain SLOSS.

(4×2 = 8 weightage)

Part B: Answer any *four* questions. Each carries 3 weightage.

8. Enumerate the biogeographical zones of India.
9. Explain JP Scott's categories of behaviour.
10. Briefly discuss positive and negative aspects of river linking in India.
11. Define and discuss types of ecological succession.
12. Explain altruism with examples.
13. What are the major drivers of biodiversity change?
14. Discuss various biodiversity indices in brief.

(4×3 = 12 weightage)

Part C: Answer any *two* questions. Each carries 5 weightage.

15. Discuss the social behavior in termites and monkeys.
16. What are the major habitat types in Indian subcontinent? Discuss with examples.
17. Describe various interspecific and intraspecific interactions with examples.
18. Critically examine Gadgil and Kasturirangan reports on Western Ghats.

(2×5 = 10 weightage)