

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2024
(Regular/Improvement/Supplementary)

ZOOLOGY
FZOL1C03- SYSTEMATICS AND EVOLUTION

Time: 3 Hours**Maximum Weightage: 30****Part A: Answer any *four* questions. Each carries *two* weightage.***Write short notes on:*

1. Natural selection in islands.
2. Levels of taxonomy.
3. Type method and its significance.
4. Parapatric speciation.
5. Hardy-Weinberg law.
6. Types of taxonomic collections.
7. Serotaxonomy.

(4 × 2 = 8 weightage)

Part B: Answer any *four* questions. Each carries *three* weightage.*Write notes on:*

8. Taxonomic characters and its classification.
9. Kinds of taxonomic publications.
10. Microevolution and Macroevolution.
11. Biochemical evolution.
12. Ethics related to taxonomic publications.
13. Anagenesis and Cladogenesis.
14. Allopatric and sympatric speciation.

(4 × 3 = 12 weightage)

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

15. Give a detailed account on taxonomic impediments.
16. Discuss the evolution of primates.
17. Explain molecular evolution.
18. Write an essay on the different species concepts.

(2 × 5 = 10 weightage)