

21P216

(Pages: 2)

Name:

Reg.No:

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2022

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P ZOL2 C06 - SYSTEMATICS AND EVOLUTION

(Zoology)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

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

1. Describe the importance of taxonomic literature in pest management and medicine.
2. Explain biological classification and hierarchical classification.
3. Describe any five kinds of publications.
4. Describe type designation method. Explain different types in taxonomy.
5. Define short research papers, catalogue and checklist.
6. Describe allopatric speciation.
7. Explain Y chromosome Adam.

(4 × 2 = 8 Weightage)

Part-B

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

8. Describe theories of classification.
9. Describe various kinds of collections in taxonomic research.
10. Explain impediments. Describe impediments in publishing taxonomic work and the need for international cooperation in taxonomic research
11. Review the Geological and fossil evidences of evolution.
12. What is co-evolution? Illustrate with example.
13. Explain molecular drive.
14. Explain the Evolutionary trends of communication, speech and language in primates.

(4 × 3 = 12 Weightage)

Part-C

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

15. Discuss various kinds of species concepts.
16. Describe different kinds of taxonomic characters.
17. Discuss newer trends in systematics.
18. Describe the peculiarities of insular fauna.

(2 × 5 = 10 Weightage)
