

20P217

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Name:

Reg. No.

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2021

(CUCSS-PG)

(Regular/Supplementary/Improvement)

CC19P ZO2 C06 - SYSTEMATICS AND EVOLUTION

(Zoology Core)

(2019 Admission onwards)

Time: Three Hours

Maximum: 30 Weightage

Part I

Answer any *four* questions.

1. Enlist any four applications of Taxonomy.
2. In which way the Superspecies is different from the Morphospecies.
3. Comment on Empiricism.
4. Molecular drive.
5. Good gene hypothesis.
6. Principle of Priority.
7. Founder Principle.

(4 × 2 = 8 Weightage)

Part II

Answer any *four* questions.

8. Describe the major ethics to be followed in taxonomy.
9. Comment on merits and demerits of various species concepts in taxonomy.
10. Briefly explain various types of Keys in taxonomy.
11. Write notes on different kinds of taxonomic characters and their functions.
12. Neutral theory of molecular evolution.
13. Which are the various stages in primate evolution.
14. Explain tempo of evolution.

(4 × 3 = 12 Weightage)

Part III

Answer any *two* questions.

15. Write an essay on Newer trends in taxonomy with suitable examples.
16. Describe different mechanisms of evolution.

17. Which are the major impediments of taxonomy? Add a note on the solutions to overcome those impediments.

18. Explain different Taxonomic Characters. How it is related to evolution?

(2 × 5 = 10 Weightage)
