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Name.....

Reg. No.....

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2020

(CUCSS - PG)

CC17P ZOL2 C06 - SYSTEMATICS AND EVOLUTION

(Zoology)

(2019 Admissions - Regular)

Time: Three Hours

Maximum:30 Weightage

Part I

Answer any *four* questions.

1. Explain the various species concepts.
2. Briefly describe type method and different kinds of types.
3. Discuss preservation and curating of taxonomic collections.
4. Explain the different levels of taxonomy.
5. Explain sexual selection.
6. Differentiate between gradualism and punctuated equilibrium.
7. Give an account of evidences of evolution.

(4 x 2 = 8 Weightage)

Part II

Answer any *four* questions.

8. Comment on different taxonomic keys. Explain their merits and demerits.
9. Write about the various taxonomic impediments.
10. Explain different theories of classification.
11. Explain different kinds of taxonomic characters.
12. Explain the neutral theory of evolution.
13. Explain the mechanism of co-evolution with suitable examples.
14. Discuss ethics related to taxonomic publications.

(4 x 3 = 12 Weightage)

Part III

Answer any *two* questions.

15. Explain the different aspects of ICZN.
16. Describe the newer trends in systematics.
17. Describe in detail the major evolutionary forces.
18. Explain the different stages in primate evolution.

(2 x 5 = 10 Weightage)
