

**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**



**M.Sc. DEGREE EXAMINATION – ZOOLOGY**

**FIRST SEMESTER – APRIL 2022**

**PZO 1502 – BIOSYSTEMATICS**

Date: 16-06-2022  
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

**Part A**

**Answer ALL the questions**

**(10 x 2 = 20)**

1. Differentiate allotype from paratype.
2. Differentiate monotypic species from polytypic species.
3. Differentiate rank from category.
4. Mention the contributions of Cuvier to taxonomy.
5. Mention the law of priority in taxonomy.
6. What are continental species?
7. What are called universals in species?
8. What is called a tautonym? Give example.
9. Mention the tips for key writing.
10. Write a note on the use of punctuations in scientific names.

**Part B**

**Answer any FOUR questions**

**(4 x 10 = 40)**

11. Explain the components of classification.
12. Explain the objectives and challenges of taxonomists.
13. Briefly explain the process of naming a new species.
14. Discuss in detail the three basic requirements of nomenclature.
15. Write an account on taxonomic publications.
16. Explain the types of taxonomic keys.

**Part C**

**Answer any TWO questions**

**(2 x 20 = 40)**

17. Discuss the role and functions of ICZN.
18. Form an essay on newer trends in taxonomy.
19. Write notes on the following
  - a) Animal collection
  - b) Data collection
  - c) Preservation of collected material
  - d) Curating
20. Write notes on the following
  - a) applications of taxonomy
  - b) Sending insects by mail
  - c) Subjects of Description
  - d) Taxonomic characters

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