

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



M.Sc. DEGREE EXAMINATION – ZOOLOGY

FIRST SEMESTER – NOVEMBER 2019

PZO 1502 – BIOSYSTEMATICS

Date: 01-11-2019

Dept. No.

Max. : 100 Marks

Time: 01:00-04:00

Part A

Answer ALL the questions

(10 x 2 = 20)

1. Differentiate allotype from paratype.
2. Differentiate rank from category.
3. Expand IUCN, CITES, ZSI and GSI.
4. Mention the contributions of Aristotle to taxonomy.
5. Mention the law of priority in taxonomy.
6. Mention the tips for key writing.
7. What are continental species?
8. What are Uni, Bi and Tri nomenclature? Give examples.
9. Write a note on the use of punctuations in scientific names.
10. Comment on stability in nomenclature.

Part B

Answer any FOUR questions

(4 x 10 = 40)

11. Write an account on the stages in taxonomy.
12. Write an account on the rise of taxonomy.
13. Explain the components of classification.
14. Briefly explain the salient features of the 'code'.
15. Discuss in detail the three basic requirements of nomenclature.
16. Briefly explain the process of naming a new species.

Part C

Answer any TWO questions

(2 x 20 = 40)

17. Form an essay on newer trends in taxonomy.
18. Write a detailed account on the following
 - a) Preservation methods
 - b) Taxonomic publications.
19. Write notes on the following
 - a) Arrangement of specimen

- b) Maintaining quality of collection
- c) Identification methods
- d) Problems encountered in identification

20. Write notes on the following

- a) applications of taxonomy
- b) Sending insects by mail
- c) Subjects of Description
- d) Taxonomic characters
