LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIRST SEMESTER – **NOVEMBER 2017**

17PZO1MC02 – BIOSYSTEMATICS

Date: 04-11-2017 Dept. No. Max. : 100 Marks
Time: 01:00-04:00

Part A Answer ALL Questions 10 x 2 = 20 Marks

1. Comment on essentialism.
2. Differentiate monotypic species from polytypic species.
3. Differentiate rank from category.
4. Differentiate karyotype from ideogram.
5. Differentiate nomen rejicundum from Nomen novum.
6. Mention the contributions of John Ray to taxonomy.
7. Mention the law of priority in taxonomy.
8. Mention how the suffixes ensis and iensis to be used.
9. What are Uni, Bi and Tri nomenclature? Give examples.
10. Write a note on the use of punctuations in scientific names.

Part B Answer ANY FOUR Questions 4 x 10 = 40 Marks

11. Write an account on preservation methods.
12. Discuss the applications of taxonomy in theoretical and applied biology.
13. Write an account on the rise of taxonomy.
14. Explain Zoological classification.
15. Form an essay on taxonomic publications.
16. Write an essay on species concepts.

Part C Answer ANY TWO Questions 2 x 20 = 40 Marks

17. Explain the types of taxonomic keys.
18. Discuss the role and functions of ICZN.
19. Discuss in detail the principles of zoological nomenclature.
20. Write notes on the following
    a) Animal collection
    b) Data collection
    c) Preservation of collected material
    d) Curating

****