



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – ZOOLOGY

FIRST SEMESTER – NOVEMBER 2016

16PZO1MC02 - BIOSYSTEMATICS

Date: 04-11-2016
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

PART A

(Answer ALL Questions)

10 x 2 = 20 Marks

1. Comment on “speciation”.
2. Differentiate montane species from insular species.
3. Differentiate karyotype from ideogram.
4. Differentiate *nomen rejicundum* from *Nomen novum*.
5. Mention the contributions of Cuvier to taxonomy.
6. Mention how DNA hybridization could solve issues related to identification.
7. Relate GMO and taxonomy.
8. What is paleontology? Mention its taxonomic importance.
9. Write a note on the use of punctuations in scientific names.
10. What are apomictic species?

PART B

(Answer any FOUR Questions)

4 x 10 = 40 Marks

11. Write an account on the stages in taxonomy.
12. Explain the components of classification.
13. Write an essay on species concepts.
14. Write an essay on preparation of taxonomic publications.
15. Write notes on the following
 - a) Sending insects by mail
 - b) Subjects of Description
 - c) Taxonomic characters
16. Write an account on the rise of taxonomy.

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. Write notes on the following
 - a) Animal collection
 - b) Data collection
 - c) Preservation of collected material
 - d) Curating
20. Form an essay on newer trends in taxonomy.
