



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – ZOOLOGY

FIRST SEMESTER – NOVEMBER 2014

ZO 1820 - SYSTEMATICS & BIODIVERSITY

Date : 03/11/2014

Dept. No.

Max. : 100 Marks

Time : 01:00-04:00

Part A

Answer ALL Questions:

10 x 2 = 20 Marks

1. Write a note on phylogenetic relationship.
2. What is cryopreservation? Mention its importance in taxonomy.
3. Differentiate monotypic species from polytypic species.
4. Comment on starting point of nomenclature.
5. Relate GMO and taxonomy.
6. Define Biodiversity hotspot.
7. Write a note on alien species and give examples.
8. Mention the role of Wildlife warden.
9. Mention the names of four endangered species in India.
10. Comment on TED.

Part B

Answer ANY FOUR Questions:

4 x 10 = 40 Marks

11. Briefly explain the characteristics of lagoons and estuaries.
12. Write an account on Ramsar convention.
13. Enumerate the importance of Sanctuaries, National parks and Biosphere Reserves.
14. Write an account on Zoological classification.
15. Explain the types of taxonomic publications.
16. Briefly analyse the functions of ICZN.

Part C

Answer ANY TWO Questions:

2 x 20 = 40 Marks

17. Discuss the applications of taxonomy in theoretical and applied biology.
18. Write an essay on kinds of species and species concepts.
19. Give an account on environmental ethics.
20. Discuss the possible ecological implications of Sethusamuthram Canal Project.
