



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION - ZOOLOGY

FIRST SEMESTER – APRIL 2013

ZO 1820 - SYSTEMATICS & BIODIVERSITY

Date : 30/04/2013

Dept. No.

Max. : 100 Marks

Time : 9:00 - 12:00

Part A

Answer ALL Questions

10 x 2 = 20 Marks

1. Comment on “Biodiversity Hotspot”.
2. Differentiate allopatric from sympatric species.
3. What are continental species?
4. Mention the issues related to GMO and taxonomy.
5. List down the taxa of Linnaean hierarchy.
6. Mention the contributions of Aristotle to taxonomy.
7. Enumerate the characteristics of lotic and lentic ecosystems.
8. Comment on the significance of Reserve forests.
9. Mention IUCN categories for Red Data Book.
10. Comment on alien species and give examples.

Part B

Answer ANY FOUR Questions

4 x 10 = 40 Marks

11. Write an account on “Remote sensing and Biodiversity Assessment”.
12. Explain the natural and anthropogenic threats to Indian biodiversity.
13. Give an account on taxonomy keys.
14. Elaborate the adaptations of animals of lagoons and estuaries.
15. Write an account on Sethusamuthram canal project and its possible implications on biodiversity.
16. Write an account on taxonomic publications.

Part C

Answer ANY TWO Questions

2 x 20 = 40 Marks

17. Discuss the merits and demerits of Wildlife Protection Act 1972.
18. Explain the recent trends in animal taxonomy.
19. Form an essay on International Code for Zoological Nomenclature.
20. Explain the role of biotechnology in the conservation of biodiversity.
