



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – ZOOLOGY

FIRST SEMESTER – APRIL 2014

ZO 1820 - SYSTEMATICS & BIODIVERSITY

Date : 02/04/2014

Dept. No.

Max. : 100 Marks

Time : 09:00-12:00

Part A

Answer ALL questions

10 x 2 = 20 Marks

1. Define "Biodiversity".
2. What is a sibling species?
3. Comment on "Reproductive isolation".
4. Mention IUCN categories for Red Data Book.
5. Expand the following (a) WWF (b) CMFRI (c) MPEDA (d) MoEF
6. Comment on the significance of Reserve forests.
7. What are continental species?
8. Differentiate sympatric and allopatric species.
9. Write a note on alien species and give examples.
10. What are Uni, Bi and Tri nomenclature? Give examples.

Part-B

Answer any FOUR questions

(4×10=40 Marks)

11. Write an account on taxonomic publications.
12. Explain the stratification of marine ecosystem.
13. Write an account on marine mammals and their conservation.
14. Explain Sethusamuthram canal project and its possible implications of biodiversity.
15. Explain the kinds of classification.
16. Give an account on "Remote sensing and Biodiversity Assessment".

Part-C

Answer any TWO questions

(2×20=40 Marks)

17. Enumerate points on bioethics.
18. Explain the role of biotechnology in the conservation of biodiversity.
19. Discuss the merits and demerits of Wildlife Protection Act 1972.
20. Explain the recent trends in animal taxonomy.
