



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION - ZOOLOGY

FIRST SEMESTER – NOVEMBER 2013

ZO 1820 - SYSTEMATICS & BIODIVERSITY

Date : 08/11/2013
Time : 1:00 - 4:00

Dept. No.

Max. : 100 Marks

Part A

Answer ALL Questions

10 x 2 = 20 Marks

1. Differentiate monotypic species from polytypic species.
2. Define speciation.
3. Write a note on Uni, Bi and Tri - nomenclature.
4. Differentiate sympatric species from allopatric species.
5. Write a note on endemic species and give examples.
6. Mention the contribution of Aristotle to taxonomy.
7. Expand IUCN, CITES, NBA and TED.
8. Comment on Kyoto protocol.
9. Mention any four nesting grounds of *Olive ridley* turtles in India.
10. Write a note on environmental ethics.

Part B

Answer ANY FOUR Questions

4 x 10 = 40 Marks

11. Write an account on Sethusamuthram canal project.
12. Give an account on radioactive pollution and biodiversity.
13. Explain zoological classification.
14. Write an account on sea grass and seaweed ecosystem.
15. Write an account on Biodiversity Assessment.
16. Explain the natural and anthropogenic threats to Indian biodiversity.

Part C

Answer ANY TWO Questions

2 x 20 = 40 Marks

17. Write an essay on preservation methods.
18. Discuss the merits and demerits of Wildlife Protection Act 1972.
19. Explain the recent trends in taxonomy.
20. Give an account on Environmental Impact Assessment.
