



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

FOURTH SEMESTER – APRIL 2017

AZ 4506- ENVIRONMENTAL BIOLOGY

Date: 25-04-2017
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

PART-A (10 ×2=20 marks)

Answer **ALL** questions:

1. Define Biotic factors?
2. What is Parasitism?
3. What is Edge effect?
4. State the Desert adaptations in animals.
5. List out any three Sanctuaries in Tamilnadu.
6. What is Soil profile?
7. Define Gene frequency.
8. What is Community diversity?
9. Mention any three examples of Rocky shore fauna.
10. What is Wild life depletion?

PART-B (4×10=40 marks)

Answer any **FOUR** of the following questions:

11. Discuss “Soil as ecological factors”.
12. Give an account on factors affecting Hardy Weinberg’s Law.
13. Write short notes on Ecological succession.
14. Explain in detail about Sandy shore Adaptations with examples.
15. Give a brief notes on Renewable resources.
16. Write an account on Wildlife management.

PART-C (2 ×20=40marks)

Answer any **TWO** of the following questions:

17. Illustrate the Oxygen cycle and Nitrogen cycle with diagrams.
18. Briefly explain Inter and Intra specific relationship in animals.
19. Give an account on Components of Ecosystem.
20. Write short notes on Green house effect and Global warming.
