



**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**

**B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY**

**FOURTH SEMESTER – APRIL 2015**

**AZ 4506 - ENVIRONMENTAL BIOLOGY**

Date : 18/04/2015  
Time : 09:00-12:00

Dept. No.

Max. : 100 Marks

**PART-A**

**(10 \*2=20 marks)**

**Answer ALL questions:**

1. Define Autecology.
2. What is Neutralism?
3. Define Ecological niche.
4. Mention any three examples of Rocky shore fauna.
5. Differentiate natality from mortality.
6. What is Pedogenesis?
7. Define Hardy-Weinberg Law.
8. What is Food web?
9. Explain Ozone layer.
10. Differentiate Renewable and Non-Renewable Resources.

**PART-B**

**(4\*10=40 marks)**

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

11. Comment on Soil erosion and its types.
12. Give an account on Gene and Genotype Frequency.
13. Write short notes on Ecotone and Edge effect.
14. Explain in detail about Deep Sea Adaptations.
15. Give a brief notes on Green House Effect.
16. Explain the components of Ecosystem.

**PART-C**

**(2 \*20=40 marks)**

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

17. Explain the Carbon cycle and Nitrogen cycle.
18. Describe inter – and intra – specific animal relationship.
19. Write notes on Ecological Succession.
20. Write an essay on Global Warming.

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