

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



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

**FOURTH SEMESTER – APRIL 2018**

**AZ 4506– ENVIRONMENTAL BIOLOGY**

Date: 08-05-2018

Dept. No.

Max. : 100 Marks

Time: 01:00-04:00

**PART A**

**Answer ALL questions:**

**(10 x 2 = 20 Marks)**

**All questions carry equal marks**

01. Distinguish Autecology from Synecology.
02. What is Paedogenesis?
03. Define the term Natalty.
04. What is Population density?
05. What is Ecotone and edge effect?
06. Define the term Food Web.
07. What are Holoplankton? Give an example.
08. Define: Intertidal zone.
09. What is Tsunami?
10. What is Greenhouse effect?

**PART B**

**Answer Any FOUR questions:**

**(4 x10 = 40 Marks)**

**All questions carry equal marks**

11. Give an account of nitrogen cycle with a flow chart.
12. Describe Social life in honey bees.
13. Write the different types of Ecological Pyramids.
14. Explain various components of an ecosystem.
15. Comment on the adaptations of deep sea animals.
16. Write notes on Sanctuaries and National parks.

**PART C**

**Answer Any TWO questions:**

**(2 x20 = 40 Marks)**

**All questions carry equal marks**

17. Write an account on Inter-specific relationships in animals.
18. Write an essay on temperature as an ecological factor.
19. Explain adaptations of rocky shore fauna with suitable examples.
20. Give an account on types of air pollutants and their biological effects.

\*\*\*\*\*