

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



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

**FOURTH SEMESTER – APRIL 2022**

**UAZ 4501 – ENVIRONMENTAL BIOLOGY**

Date: 16-06-2022

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

**PART – A**

**Answer ALL Question:**

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

1. Define abiotic factors
2. What is food chain?
3. Define Natality.
4. Mention the names of sedimentary cycles.
5. What is in situ bioremediation?
6. What are the 4 types of biomarkers?
7. Comment on soil erosion.
8. What are the effects of global warming?
9. What is deforestation?
10. Comment on tsunami.

**PART – B**

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

**(4 x 10=40 Marks)**

11. Give short notes on ecological pyramids.
12. Illustrate the oxygen cycle.
13. Elaborate the green house effect.
14. Write a brief notes on air pollution.
15. Describe *Ex-situ* Bioremediation in detail.
16. Enumerate the uses of Bio-indicator.

**PART – C**

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

**(2 x 20=40 Marks)**

17. Elaborate the components of ecosystem.
18. Describe the sulphur cycle.
19. Enlist the role of microbes in bioremediation
20. Give a brief notes on wildlife management.

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