

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

SIXTH SEMESTER – APRIL 2022

UAZ 6501 – ENVIRONMENTAL BIOTECHNOLOGY AND TOXICOLOGY

Date: 15-06-2022

Dept. No.

Max. : 100 Marks

Time: 01:00 PM - 04:00 PM

PART-A

Answer ALL question:

(10 x 2=20 marks)

1. List out the renewable energy sources
2. What are suspended solids?
3. Define Bioreactors?
4. What is *in situ* bioremediation?
5. Comment on acute toxicity
6. What are animal toxins?
7. What causes cadmium pollution?
8. What are the types of toxicant?
9. Comment on photochemical smog.
10. What is acid rain?

PART-B

Answer any FOUR of the following questions:

(4 x 10=40marks)

11. Enlist the importance of environmental biotechnology.
12. Illustrate the structure of bioreactors.
13. Elaborate the scope of toxicology.
14. Write short notes on heavy metal poisoning.
15. Explain the classification of air pollutants.
16. Give an account on GMO.

PART-C

Answer any TWO of the following questions:

(2 x 20=40marks)

17. Elaborate the biomass source of energy.
18. Enumerate the types of Bioreactors.
19. Enlist the classification of toxic agents
20. Give a brief notes on lead poisoning and mercury poisoning
