



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

SIXTH SEMESTER – APRIL 2023

UAZ 6501 – ENVIRONMENTAL BIOTECHNOLOGY AND TOXICOLOGY

Date: 29-04-2023

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

PART-A

Answer ALL question: [Comment or Define]

(10 x 2=20 marks)

1. Biomass
2. Bioreactor
3. Bioleaching
4. Bioremediation
5. Acidogenesis
6. Acute toxicity
7. Food toxins
8. Circadian rhythms
9. Acid rain
10. photochemical smog

PART-B

Answer any FOUR of the following questions:

(4 x 10=40marks)

11. Write notes about the waste water treatment.
12. Briefly explain about the biogas technology in India.
13. Write notes about the history and scope of the toxicology.
14. Explain about the classification of toxic agents.
15. Write notes about the nanomedicine.
16. Explain about the air pollution.

PART-C

Answer any TWO of the following questions:

(2 x 20=40marks)

17. Explain about the types of bioreactors.
18. Briefly explain about the gene therapy.
19. Explain about the water pollutants and health effects.
20. Explain about the heavy metal contamination.

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