



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

SIXTH SEMESTER – JUNE 2015

AZ 6603/AZ 6600 - ENVIRONMENTAL BIOTECHNOLOGY

Date : 03/07/2015

Dept. No.

Max. : 100 Marks

Time : 10:00-01:00

PART – A

Answer ALL the questions (10x2=20)

1. What is biodiesel?
2. Comment on oxidation pond.
3. Write a note on lyophilization.
4. Define biotransformation.
5. What is immobilization?
6. Comment on stabilization ponds.
7. What is biomining?
8. Write a note on bioaugmentation.
9. What is bioscrubber?
10. Comment on synergism.

PART – B

Answer any FOUR of the following (4x10=40)

11. Write short notes on production of hydrocarbons.
12. Give an account on down stream processing.
13. Write short notes on drinking water treatment.
14. What are PCBs? And explain their role in environment pollution.
15. Give an account on biomass production from wastes.
16. Explain in detail biodegradation of pesticides.

PART – C

Answer any TWO of the following (2x20=20)

17. Explain different steps involved in waste treatment.
18. Discuss in detail on different types of bioreactors.
19. Briefly describe anaerobic methanogenesis.
20. Write an essay on biodegradation of xenobiotics.

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