



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

SIXTH SEMESTER – APRIL 2015

AZ 6603/AZ 6600 - ENVIRONMENTAL BIOTECHNOLOGY

Date : 15/04/2015

Dept. No.

Max. : 100 Marks

Time : 09:00-12:00

PART – A

Answer **ALL** questions:

(10x2 = 20 marks)

1. Biomagnification.
2. Oxidation pond.
3. Examples of methanogens.
4. Coagulation.
5. Denitrification.
6. Eutrophication.
7. Fermentation.
8. Biosensor.
9. Biogas.
10. Biopesticides.

PART – B

Answer any **FOUR** questions:

(4x10 = 40 marks)

11. Give an account on the activated sludge system.
12. Write notes on aerobic reactors.
13. Explain methanogenesis.
14. Discuss about drinking water treatment.
15. Explain biosorption.
16. Write the process of sewage treatment.

PART – C

Answer any **TWO** questions:

(10x2 = 20 marks)

17. Explain in detail ethanol production.
18. Describe in detail the design of bioreactors.
19. Write an essay on bioleaching and its applications.
20. Discuss the process of biogas production.

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