



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – ZOOLOGY

THIRD SEMESTER – NOVEMBER 2017

16PZO3MC01 - ENVIRONMENTAL BIOLOGY AND MANAGEMENT

Date: 01/11/2017
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

PART - A

Answer **ALL** Questions:

(10 x 2 = 20 Marks)

1. What is Synecology?
2. Define Biodegradation.
3. Differentiate Niche and Habitat.
4. Note on Ex-situ conservation.
5. What are Biosensors?
6. Short note on Saprotrophs.
7. Define the term Potentiation.
8. Comment on Acid Rain.
9. List out main functions of EIA.
10. Mention the role of NGOs in Environment Conservation.

PART – B

Answer any **FOUR** Questions:

(4 x 10 = 40 marks)

11. Give a brief note on the Positive and Negative Interactions of Organisms in ecosystem with appropriate examples.
12. Justify how Global warming is major environmental problems explain it with suitable illustration.
13. Highlight the International Conventions and related Biodiversity Act on Environmental protection.
14. Describe the Municipal Solid Waste Management with a neat sketch.
15. Discuss the important functions of Government Agencies in Environmental Conservation.
16. Explain the major Biotechnological applications in Environmental Restoration.

PART - C

Answer any **TWO** Questions:

(2 x 20 = 40 marks)

17. Explain the Biogeochemical Cycle with illustration.
18. Give detail account on: (a) Eutrophication (b) Biotransformation c) Bioremediation
19. Explain Silent Valley Moment, Green Peace Movement and Chipko Movement worked towards Environmental Conservation.
20. Discuss the role of Remote Sensing in the Environmental Management.

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