



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – ZOOLOGY

THIRD SEMESTER – NOVEMBER 2014

ZO 3813 - PRINCIPLES OF ECOLOGY & ENVIRO. MGT.

Date : 30/10/2014

Dept. No.

Max. : 100 Marks

Time : 09:00-12:00

Part-A

Answer ALL the questions

(10×2=20 Marks)

1. Define Population Dynamics.
2. What is energy flow?
3. Differentiate Niche from Habitat.
4. Write a short note on growth curve.
5. Comment on the term biodegradation.
6. What is bioremediation?
7. Define remote sensing.
8. Give the names of at least four NGOs involved in Environmental Conservation.
9. List out the major functions of EIA.
10. What are the objectives of Green Peace Movement?

Part-B

Answer any FOUR questions

(4×10=40 Marks)

11. Briefly explain the process of Ecological Succession.
12. Give an account on Conservation of Biodiversity and its importance.
13. What is Green House Effect? Write a short note of its impact on environment.
14. Describe the role of Bio-indicators in the environment.
15. Explain the Biotic and Abiotic factors influencing the Pond Ecosystem
16. Elucidate Mineral Resource Management.

Part-C

Answer any TWO questions

(2×20=40 Marks)

17. Write a detailed case study on the Natural Disaster Management.
18. Discuss the process of Biogeochemical Cycle with illustration.
19. Give an essay on Biotechnological principles and its role in environmental management with suitable examples?
20. Provide a detailed note on the technologies of remote sensing and its applications in environmental management.
