

**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**



**M.Sc.DEGREE EXAMINATION –ZOOLOGY**

**THIRD SEMESTER – NOVEMBER 2018**

**16/17PZO3MC01– ENVIRONMENTAL BIOLOGY AND MANAGEMENT**

Date: 25-10-2018

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

**PART-A**

Answer **ALL** the following Questions

**(10X2=20)**

1. What is bioremediation?
2. Define commensalism.
3. Give three different causes of ecological succession.
4. Comment on biosphere.
5. Comment on disaster management.
6. What are the major classes of contaminants?
7. Define the term of GIS.
8. Comment of Chipko movement.
9. What is Gause's principle?
10. Draw the schematic representation of energy flow in the ecosystem.

**PART-B**

Answer any **FOUR** of following Questions

**(4X10=40)**

11. Explain in details on Biomarker and its functions as environmental monitoring.
12. Discuss the mountain ecosystem with their unique features.
13. Explain the impact of pesticides on the ecosystem.
14. Describe the importance of remote sensing for the better environmental monitoring.
15. Demonstrate biotic and abiotic interactions.
16. Discuss the process of biogeochemical cycle.

**PART-C**

Answer any **TWO** of the following Questions

**(2X20=40)**

17. Discuss the biotechnological principles in environmental conservation applications.
18. Bioenergy is the need of hour- Discuss.
19. Write an essay on legislations for environmental protection
20. Describe the various types of bioremediation process.

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