

35101

M.Sc. DEGREE EXAMINATION, OCTOBER / NOVEMBER 2018.

THIRD SEMESTER

Zoology

Paper I — ENVIRONMENTAL BIOLOGY

Time : Three hours

Maximum : 75 marks

(No additional sheet will be supplied)

PART A — (5 × 3 = 15 marks)

Answer any FIVE questions.

Each question carries 3 marks.

Each answer should not exceed 1 page.

1. Marine environment characteristics.
2. Desert environment features.
3. Hydrological cycle.
4. Energy Budget.
5. Green House effect.
6. Green House gases.
7. Bioindicator.
8. Mussel watch program.

PART B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks.

Each answer should not exceed 6 pages.

9. Write about the classification and principle characteristic features of Freshwater environment.

Or

10. Write about characteristic features of Biomes and their environments.

11. Define Ecosystem. Write briefly about the patterns of energy flow in ecosystem with suitable examples (at least in Two ecosystems)

Or

12. Write briefly about Bio-geo chemical cycles in relation to Nitrogen & Phosphorous.
13. Define pollution. Add a note on the types of pollutants involved in water pollution on Human beings and Aquatic farming.

Or

14. Describe the role of Legislation and execution of environmental laws in India. How the Judiciary protecting the environment.
15. Write about the Environmental applications of Bioremediation.

Or

16. Write briefly about Environmental Impact Assessment with suitable examples.

