

M.Sc. DEGREE EXAMINATION, NOVEMBER 2016.

THIRD SEMESTER

Zoology

Paper I — ENVIRONMENTAL BIOLOGY

Time : Three hours

Maximum : 75 marks

(No additional sheet will be supplied)

SECTION A — (5 × 3 = 15 marks)

Answer any FIVE questions.

Each question carries 3 marks.

Each answer should not exceed 1 page.

1. Desert.
2. Non-Conventional Energy.
3. Productivity.
4. Grass lands.
5. Epidemiological indices.
6. Role of NGO's in Environmental monitoring.
7. Bio-indicator types.
8. Environmental impact assessment.

SECTION B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks.

Each answer should not exceed 6 pages. -

9. Give an account on the classification and characterization of forests with suitable examples.  
Or
10. Discuss about the classification and characteristics of marine environment.
11. Define Biological Cycle. Explain the cycles associated with Nitrogen, Phosphorus and Oxygen.  
Or
12. Define Energy Flow. Add a note on the Energy Flow patterns in different ecosystems.

13. Define Pollution. Write about Health hazards associated with water pollution.

Or

14. Write a detailed account on Air Pollution criteria and standards to be adopted in India.

15. Define Bio-remediation. Write about methodologies involved in Bio-remediation.

Or

16. Define Bio-monitoring. Add a note on the scope and biological monitoring programmes with suitable examples.

