

M.Sc. (Part-I) (Zoology) (NEP Pattern) Semester-I  
**NEP-84-2 / 01MSCZO04-2 - Major Elective : Environmental Science and Basic  
Concept of Ecology**

P. Pages : 1

Time : Three Hours



**GUG/W/23/15147**

Max. Marks : 80

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- Notes :
1. All questions are compulsory.
  2. All questions carry equal marks.
  3. Illustrate your answers with well labelled diagrams wherever necessary.

1. Describe in detailed Marine ecosystem.

**OR**

- a) Desert Ecosystems.
- b) Seasonal Succession.

2. Describe in detailed Sedimentary Cycles, Phosphorus, Nitrogen and Sulphur.

**OR**

- a) Eutrophication.
- b) Ecotone and Edge effect.

3. Describe in detailed Ecological Niche, Ecotypes, ecophene and Ecological Indicators.

**OR**

- a) Ecological succession.
- b) Biological Clock.

4. Describe in detailed Population Dynamics: Population structure, pattern of population distribution, population growth.

**OR**

- a) Effect of light on animals.
- b) Marine biodiversity conservation programme.

5. Attempt the following.

- a) Food Chain.
- b) Characteristics of Community.
- c) Major biomes
- d) Ecological Adaptions of Aquatic Flora.

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