

01/12/23 (Evening)

Roll No. \_\_\_\_\_

Sr. No - 352108

December 2023

B. Com (Honours)- I SEMESTER

Environment and Ecology (MCEVS-01)

Time: 1.5 Hours

Max. Marks:35

- Instructions:**
1. It is compulsory to answer all the questions (1 marks each) of Part -A in short.
  2. Answer any four questions from Part -B in detail.
  3. Different sub-parts of a question are to be attempted adjacent to each other.

**PART -A**

- Q1 (a) Why is public awareness crucial in the context of environmental issues? (1)
- (b) Name one major cause of population explosion. (1)
- (c) Explain the concept of ecological succession. (1)
- (d) How does value education contribute to the personal development of students? (1)
- (e) Provide an example of a terrestrial food chain. (1)
- (f) What is an ecological pyramid, and why is it used in ecology? (1)
- (g) How do biomes differ from ecosystems? (1)

**PART -B**

- Q2 Explain the four fundamental components of the Earth's physical environment: the biosphere, atmosphere, lithosphere, and hydrosphere. Describe the unique characteristics and functions of each component. (7)
- Q3 Discuss the significance of incorporating human rights education into value-based education systems. How can value education programs contribute to promoting human rights awareness? (7)
- Q4 Discuss in detail the energy flow models and their types in the ecosystem. (7)
- Q5 Explain the multidisciplinary nature of environmental studies and its significance. Define environmental studies and outline its scope, emphasizing its relevance in addressing contemporary environmental issues. (7)
- Q6 Write a short note on the following (3.5 x 2 = 7)
- i) Food chain and food web
  - ii) Man and Environment Relationship
- Q7 What is the ecological succession? Describe the types and complete mechanism of succession. (7)

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