

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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