

**K-782**

Total Pages : 3

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## **EVS-508**

### **Environmental Economics and Sustainable Development**

M.Sc. Environmental Science (MSCES)

2nd Semester Examination, 2023 (Dec.)

**Time : 2 Hours]**

**Max. Marks : 70**

**Note :** This paper is of Seventy (70) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

### **SECTION–A**

#### **(Long Answer Type Questions)**

**Note :** Section 'A' contains Five (05) long answer type questions of Nineteen (19) marks each. Learners are required to answer any Two (02) questions only.

(2×19=38)

1. What do you understand by consumer surplus? Explain with proper diagram and an example.
2. What is the significance of environmental economics in addressing ecological challenges? Explain how economists employ methods of environment valuation to assess the economic value of environmental resources.
3. Explain the concept of cost benefit analysis (CBA) in detail. Outline the stages involved in conducting CBA.
4. What are the key objectives of the millennium development goals (MDGs)? Assess India's progress towards achieving the MDG of eradicating extreme poverty and hunger.
5. Explore the impact of the Convention on Biological Diversity on biodiversity conservation and sustainable development.

## **SECTION-B**

### **(Short Answer Type Questions)**

**Note :** Section 'B' contains Eight (08) short answer type questions of Eight (08) marks each. Learners are required to answer any Four (04) questions only. (4×8=32)

1. Explain the concept of Externalities. How can negative externalities lead to market inefficiencies?

2. Explain the concept of pareto optimality and explain how pareto optimality is related to economic welfare?
  3. What are the primary causes of Air Pollution? Explain how it impacts human health?
  4. What are the primary causes of deforestation? Explain the consequences of deforestation on plant and animal species.
  5. What is environmental cruelty and explain how it harm the Earth's ecosystem?
  6. What is the Montreal Protocol, and why is it considered one of the most successful environmental agreements?
  7. Write short note on any *one* of the following :
    - (a) Hedonic pricing method.
    - (b) Travel cost method.
  8. What are the key legislative measures in India aimed at environmental protection?
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