

Roll No. _____

Sr. No - 353110

December 2023

**BA(SW) Re-Appear- I SEMESTER
Environmental Science (BSW-104)**

Time: 3 Hours

Max. Marks:75

- Instructions:**
1. It is compulsory to answer all the questions (1.5 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) Define the concept of sustainability and sustainable development. (1.5)
- (b) What are the structure and function of the ecosystem? (1.5)
- (c) Elaborate the word desertification and soil erosion. (1.5)
- (d) What are the biogeographic zones of India? (1.5)
- (e) Explain in short about tribal populations and rights. (1.5)
- (f) What is CBD? (1.5)
- (g) What are the precautions for noise pollution? (1.5)
- (h) Write in short, a case study about the Desert ecosystem. (1.5)
- (i) What is the difference between Renewable and non-renewable energy sources? (1.5)
- (j) Explain the terms ecological, economic, social, ethical, and aesthetic biodiversity. (1.5)

PART -B

- Q2 (a) Explain energy flow in Food chains, food webs, and ecological succession with diagrams. (10)
- (b) Describe in detail any two out of -floods, earthquakes, cyclones, and landslides. (5)
- Q3 (a) What are the scope and importance of the multi-disciplinary nature of environmental studies? (5)
- (b) Differentiate between In-situ and Ex- situ conservation of biodiversity. What are the threats to biodiversity? (10)
- Q4 Explain in detail what are the sources, effects, causes, effects, and controls of Water and soil pollution. What are the control measures of urban and industrial Solid waste management? (15)
- Q5 (a) How is Ozone Layer depletion and acid rain linked and what are its impact on human communities? (5)

(b) How have environmental movements and environmental ethics worked for environmental conservation, explain with examples. (10)

Q6 (a) What are the causes of over-exploitation of surface and groundwater, droughts? Write down a case study on conflicts over water (International and interstate). (10)

(b) Why India is considered a mega biodiversity nation. Also, explain the Endangered and endemic species of India. (5)

Q7 Explain the Environmental Protection Act including the Air act, Water act, and Forest conversation act. How is the Kyoto Protocol different from the Montreal Protocol? (15)
