

**B.Sc.-M.Sc. INTEGRATED PROGRAMME - BOTANY**  
**SEMESTER I EXAMINATION MARCH 2021**  
**PAPER TITLE: ENVIRONMENTAL STUDIES**  
**PAPER CODE: BCH-AEC-2**

**Time: 90 min**

**Maximum Marks: 37**

**Attempt ALL questions. All parts of a question must be attempted in continuation. Start answering each question on a new page. Cite examples and draw labelled diagrams wherever necessary.**

**Q1. (A) Write short notes (ANY FOUR) (4)**

- a) Biosphere
- b) Photovoltaic energy
- c) Biomass energy
- d) Ecosystem
- e) Thermal pollution

**(B) Match the following: (3)**

| Column A              | Column B      |
|-----------------------|---------------|
| a) Hazardous waste    | i) Tansley    |
| b) Ecosystem          | ii) Lead      |
| c) Dobson units       | iii) Ivory    |
| d) Wildlife sanctuary | iv) Bharatpur |
| e) Poaching           | v) Shola      |
| f) Grassland          | vi) Ozone     |

**Q2. Write short notes on ANY THREE of the following: (3x5=15)**

- a) Causes, effects and control measures of air pollution.
- b) Role of an individual in preventing pollution.
- c) What is an aquatic ecosystem? Mention the types of aquatic ecosystem and its uses.
- d) The carbon cycle
- e) Functions of ecosystem

**Q3. Answer ANY THREE of the following questions: (3x5=15)**

- a) Differentiate between in situ and ex situ conservation.
- b) Define producers, consumers and decomposers with example.
- c) Define biodiversity. What are the threats to biodiversity?
- d) Differentiate between renewable and non-renewable resources. Explain the role of an individual in conservation of natural resources.
- e) What are the benefits and problems associated with dams?

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