

**B.Sc. MICROBIOLOGY
SECOND SEMESTER
ENVIRONMENTAL STUDIES
BEV – 721**

2025/06

**SET
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Full Marks: 35

Duration: 1.30 hrs.

(Objective)

Marks: 10

Time: 15 mins.

$1 \times 10 = 10$

Choose the correct answer from the following:

1. Which of the following is a secondary pollutant?
a. Carbon monoxide b. Oxide of nitrogen
c. Ozone d. Sulfur dioxide
2. How many biodiversity hotspots are found in India?
a. 7 b. 5
c. 2 d. 4
3. Itai-Itai disease of Japan was caused due to.....
a. Lead b. Arsenic
c. Cadmium d. Mercury
4. Origin of an earthquake is called.....
a. Epicenter b. Focus
c. Source d. Center
5. Which ecological pyramid is always upright?
a. Pyramid of energy b. Pyramid of number
c. Pyramid of biomass d. All of above
6. India is divided into..... major biogeographic zone.
a. 5 b. 8
c. 10 d. 12
7. Bhopal gas tragedy of 3rd Dec, 1984 occurred due to leakage of.....
a. CFC b. NO_x
c. Sulphur d. MIC
8. Main source of air pollution is.....
a. Transportation b. Industries
c. Volcanoes d. All of above
9. Chief producer in ocean ecosystem is.....
a. Blue whale b. Phytoplankton
c. Floating plants d. All of above

10. Ozone concentration is maximum at altitude:
- | | |
|-----------------|-------------|
| a. Within 10 km | b. 10–20 km |
| c. 20–40 km | d. 50–80 km |

(Descriptive)

Time : 1 Hr. 15 Mins.

Marks : 25

[Answer question no.1 & any two (2) from the rest]

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|--|----------|
| 1. Define air pollution. Write about causes of air pollution. | 1+4=5 |
| 2. Define flood. Write causes and mitigation measures of floods in North East India. | 2+4+4=10 |
| 3. What is Acid rain? Write about causes and impacts of acid rain. | 2+8=10 |
| 4. Discuss structure and functions of ecosystem. | 10 |
| 5. Write short notes on (<i>any two</i>): | 5×2=10 |
| a) Ecological pyramids | |
| b) Water (Prevention and Control of Pollution) Act, 1974 | |
| c) Thermal Pollution | |
| d) Threats to biodiversity | |

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