

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

**SET
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 1.30 hrs.

Full Marks: 35

Time: 15 mins.

(Objective)

Marks: 10

Choose the correct answer from the following:

1 × 10 = 10

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 |

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(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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