



**BRAINWARE UNIVERSITY**

**Term End Examination 2018 - 19**

**Programme – BCA / B.Sc. (CS) / B.Sc. (HN) / B.A. (MW)**

**Course name - Environmental Studies and Disaster Management**

**Course Code - ENV201**

(Semester –2)

**Time allotted: 3 Hours**

**Full Marks: 75**

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

**Group –A**

(Multiple Choice Type Questions)

10 x 1 = 10

1. *Choose the correct alternative from the following*
  - (i) Kyoto Protocol is related to
 

|                          |                     |
|--------------------------|---------------------|
| a. Ozone layer depletion | b. Greenhouse gases |
| c. SPM                   | d. Water pollution  |
  - (ii) Bhopal gas tragedy occurred in
 

|                  |                  |
|------------------|------------------|
| a. December 1984 | b. December 1983 |
| c. July 1984     | d. July 1983     |
  - (iii) Minamata disease occurs due to
 

|                      |                      |
|----------------------|----------------------|
| a. Arsenic pollution | b. Lead pollution    |
| c. Mercury pollution | d. Cadmium pollution |
  - (iv) To monitor the state level environmental issues and problems, Supreme court of India has established
 

|                              |                                |
|------------------------------|--------------------------------|
| a. Green bench               | b. Pollution Control Board     |
| c. Department of Environment | d. Department of Biotechnology |
  - (v) Medha Patekar is related to
 

|                    |                            |
|--------------------|----------------------------|
| a. Chipko Movement | b. Narmoda Bachao Movement |
| c. Operation Flood | d. Green revolution        |
  - (vi) Which one is primary pollutant?
 

|                    |         |
|--------------------|---------|
| a. Carbon monoxide | b. PAN  |
| c. Ozone           | d. Smog |

- (vii) Example of in-situ conservation is
- |                        |              |
|------------------------|--------------|
| a. Deer park           | b. Seed bank |
| c. Wild life sanctuary | d. Aquarium  |
- (viii) Air pollutant which reduces oxygen carrying capacity of hemoglobin is
- |                      |                   |
|----------------------|-------------------|
| a. Carbon monoxide   | b. Ammonia        |
| c. Hydrogen sulphide | d. Carbon dioxide |
- (ix) Lithosphere means
- |          |                    |
|----------|--------------------|
| a. Air   | b. Organisms       |
| c. Water | d. Rocks and soils |
- (x) The main source of water in India for agricultural purposes is
- |                  |                 |
|------------------|-----------------|
| a. Rain water    | b. Ground water |
| c. Surface water | d. Sea water    |

### Group – B

(Short Answer Type Questions)

3 x 5 = 15

Answer any *three* from the following

- |   |     |
|---|-----|
| 2. What do you mean by Environmental Degradation? Mention three events leading to Environmental Degradation.                            | 2+3 |
| 3. What are the consequences of global warming on global climate? Discuss with respect to sea water level, agriculture and marine food. | 5   |
| 4. Write a note on oxygen cycle.  | 5   |
| 5. What is health? Write some characteristics of a healthy person.  | 5   |
| 6. Write a short note on Montreal Protocol.   | 5   |

### Group – C

(Long Answer Type Questions)

5 x 10 = 50

Answer any *five* from the following

- |  |     |
|--|-----|
| 7. a) Define air pollution. Name various atmospheric pollutants. | 2+5 |
| b) Give an account of adverse effects of air pollution.          | 3   |
| 8. Write a note on Environment (Protection) Act, 1986.           | 10  |

- |     |   |     |
|-----|---|-----|
| 9.  | What are ecological pyramids? Classify the ecological pyramids and discuss in brief.                                      | 3+7 |
| 10. | a) Write down the effects of ozone layer depletion on human health. Name the gases responsible for ozone layer depletion. | 4+3 |
|     | b) Which gases are responsible for global warming?  | 3   |
| 11. | a) What is acid rain? Name some gases that cause acid rain.   | 2+3 |
|     | b) What are the effects of acid rain?   | 5   |
| 12. | a) What are the main objectives of conservation of biodiversity?  | 4+3 |
|     | b) Explain in-situ and ex-situ conservation of biodiversity.  | 3   |
| 13. | What is solid waste? Write a note on (i) landfill or (ii) incineration.   | 4+6 |
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