



BRAINWARE UNIVERSITY

Course – B.Tech. (CS) /BCA / BSc (CS) / BSc (HN) / BAMW / BBA / BCOM

Environmental Studies (ENV201/ENV201(BL))

(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 Question)

10 x 1 = 10

1. *Choose the correct alternative from the following*

(i) Hydrosphere consists of

a. air layer

b. rocks

c. soil

d. various water bodies and oceans

(ii) Air pollutant which reduces oxygen carrying capacity of haemoglobin is

a. carbon monoxide

b. ammonia

c. hydrogen sulphide

d. none of these

(iii) Green house gas is

a. Carbon monoxide

b. Hydrogen sulphide

c. Sulphur dioxide

d. All of them

(iv) Biotic factor of ecosystem is

a. sunlight

b. soil

c. wind

d. tree

(v) Ozone hole in the Antarctica is due to

a. Methane

b. CFCs

c. Ozone

d. None of these

(vi) Grass land eco-system is occupied by nearly

a. 21%

b. 50%

c. 70%

d. 80% of earth's surface

- (vii) The most potentially renewable energy resource is
- a. sunlight
 - b. wind
 - c. tidal energy
 - d. biomass
- (viii) The decomposition of dead-bodies of animal and plant by the bacteria such as bacillus subtilis is known as
- a. ammonification
 - b. nitrification
 - c. carbonification
 - d. oxigenation
- (ix) Minemata disease occurs due to
- a. Arsenic pollution
 - b. Lead pollution
 - c. Mercury pollution
 - d. Cadmium pollution
- (x) Hotspots in India are
- a. Eastern himalays
 - b. Western ghat
 - c. Kolkata
 - d. Both 'a' and 'b'

Group – B

(Short Answer Type Questions)

3 x 5 = 15

Answer any *three* from the following

2. What are renewable and non-renewable resources? Give examples. [5]
3. Write a note of Environment (Protection) Act, 1986. [5]
4. Define biodiversity and explain three major components of biodiversity. [5]
5. What is solid waste? How do you classify solid wastes? [5]
6. What is global warming? write the names of some gases responsible for global warming, [5]

Group – C

(Long Answer Type Questions)

5 x 10 = 50

Answer any *five* from the following

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|-----|---|---------|
| 7. | (a) What are the main objectives of conservation of biodiversity? | [4+3+3] |
| | (b) Explain 'In-situ' and 'Ex-situ' conservation of biodiversity. | |
| 8. | (a) Write some components of 'Forest Resource'. | [3] |
| | (b) Write about the utility of forest resources. | [7] |
| 9. | (a) What is meant by 'Water pollution'? | [3] |
| | (b) Discuss about different types of pollutants in water. | [7] |
| 10. | (a) Write a note on 'Sustainable development'. Give Examples. | [10] |
| 11. | (a) What is 'Acid rain'? What are the effects of acid rain? | [5] |
| | (b) Write a short note on 'Ozone layer depletion'. | [5] |
| 12. | (a) What is bio-geochemical cycle? Discuss nitrogen cycle. | [2+5] |
| | (b) What is global warming? | [3] |
| 13. | (a) Write a note 'Forest (conservation) Act, 1980. | [7] |
| | (b) What do you mean by 'Conservation of Environment'? | [3] |