BRAINWARE UNIVERSITY

Term End Examination 2018 - 19

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

B. Com (BFA)/ B. Tech. (CSE)

Course name - Environmental Studies

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) Montreal Protocol is related to

    a. Land pollution   b. Noise Pollution

    c. Production and use of CFCs   d. Increase of population

(ii) Which one is secondary pollutant?

    a. Smog   b. PAN

    c. Ozone   d. All of these

(iii) The name of the disease that occurs due to mercury pollution is

    a. Minamata disease   b. Skin cancer

    c. Ouch-ouch disease   d. Kidney damage

(iv) Incineration is a disposal method of

    a. Water Pollutant   b. Air Pollutant

    c. Solid Waste   d. None of These

(v) Water is called polluted when DO level drops below

    a. 5 ppm   b. 8 ppm

    c. 10 ppm   d. 15 ppm

(vi) The biotic factor of eco-system is

    a. Sunlight   b. Soil

    c. Wind   d. Tree

(vii) Example of ex-situ conservation is

    a. Conservation of plants in botanical garden   b. Sundarbans

    c. Conservation of animals and birds in zoo   d. Both (a) and (c)

(viii) The abnormal growth and activities of a cell may cause

    a. Cancer   b. Typhoid

    c. Cholera   d. Malaria

(ix) Ozone acts as a protective shield when it resides in

    a. Mesosphere   b. Stratosphere

    c. Thermosphere   d. Troposphere

(x) The audio range of human is

    a. 20-20,000 Hz   b. 200-20,000 Hz

    c. 2000-5000 Hz   d. 500-5500 Hz

Group – B

(Short Answer Type Questions)   3 x 5 = 15

Answer any *three* from the following

2. Define 'Environment'. What are the importances of environmental study?   2+3

3. Define the term global warming. Write the names of three gases responsible for global warming.   2+3

4. Classify and discuss the different types of water body (Lake) depending on the concentration of nutrients.   5

5. Draw Carbon cycle with a flowchart.   5

6. India is a mega diversity nation – Explain.   5

Group – C

(Long Answer Type Questions)   5 x 10 = 50

Answer any *five* from the following

7. a) Define the term Decibel. What do you mean by noise? Write down the parameters of noise.   2+2 +2

   b) What are the sources of noise pollution?   4

8. Write a note on poisoning of heavy metals present in water. 10

9. a) What is ecosystem? Classify the ecosystem. 2+3

   b) Define food chain. What are the different kinds of food chain in eco-system? Give examples. 5

10. a) Define resources. 2

   b) What are the different types of resource? Explain with example. 8

11. a) Write a note on Greenhouse effect. 5

   b) What is population growth curve? Explain different types of growth curves. 5

12. Define biodiversity and explain in detail the three major components of biodiversity. 2+8

13. Discuss the classification of solid waste in detail. 10