

TDC (CBCS) Odd Semester Exam., 2022

B.Voc (Information Technology)

(3rd Semester)

Course No. : BVOCGE-301T

(Environmental Science)

Full Marks : 70

Pass Marks : 28

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

UNIT—I

1. Answer any four from the following questions : 1×4=4

- (a) Give two examples of air pollutant.
- (b) Define climate change.
- (c) What is acid rain?
- (d) What are biopollutants?
- (e) Give two examples of anthropogenic sources of air pollution.

(2)

2. Answer any *one* of the following questions : 2

- (a) Give few examples of greenhouse gases.
- (b) Mention two major health effects due to biopollutants.

3. Answer any *one* of the following questions : 8

- (a) Discuss briefly the natural and anthropogenic sources of air pollution.
- (b) What is global warming? What are the major causes of global warming? How can global warming be controlled?

2+2+4=8

UNIT—II

4. Answer any *four* from the following questions : 1×4=4

- (a) What is eutrophication?
- (b) What is thermal pollution?
- (c) What is the purpose of primary treatment of water?
- (d) Define water pollution.
- (e) Mention few causes of oil pollution.

(3)

5. Answer any *one* from the following questions : 2

- (a) Mention few adverse effects of thermal pollution.
- (b) Mention few effects of eutrophication.

6. Answer any *one* from the following questions : 8

- (a) Describe briefly the various sources of water pollution. How does water pollution affect the various aquatic ecosystems and the different organisms? 3+5=8
- (b) What are the various indicators of water quality? What is water quality standard? Why is it important to have water quality standards? Discuss briefly the concept of biological oxygen demand. 2+2+2+2=8

UNIT—III

7. Answer any *four* from the following questions : 1×4=4

- (a) What is degradation of land?
- (b) What is methane?

(4)

- (c) What is the meaning of salt-affected soil?
- (d) What are the different types of salt-affected soil?
- (e) Name two major pollutants of soil.
8. Answer any *one* from the following questions : 2
- (a) What is wasteland? Give two examples of wasteland.
- (b) How does overuse of synthetic fertilizer affect soil quality?
9. Answer any *one* from the following questions : 8
- (a) Describe briefly the adverse impacts of coal mining in our environment. What are the various management options of coal mine areas? 5+3=8
- (b) What do you mean by pesticides? What are the four categories of pesticides as per classification by WHO? How do pesticides affect our environment and human health? 2+1+5=8

(5)

UNIT—IV

10. Answer any *four* from the following questions : 1×4=4
- (a) Define noise.
- (b) What do you mean by ionizing radiation?
- (c) What do you mean by solid waste?
- (d) What is hazardous waste?
- (e) What do you mean by occupational health hazard?
11. Answer any *one* of the following questions : 2
- (a) How does noise pollution affect human health?
- (b) Give few examples of occupational health hazard.
12. Answer any *one* of the following questions : 8
- (a) What are the various sources of nuclear wastes? Discuss briefly on radioactive pollution in our environment. 2+6=8
- (b) What do you mean by E-waste? Give few examples of E-waste. Write a note on generation of E-wastes with suitable management options. 2+2+4=8

UNIT—V

13. Answer any *four* from the following questions : 1×4=4

- (a) Define environmental impact analysis.
- (b) What is environmental management plan?
- (c) When was the Water (Prevention and Control of Pollution) Act enacted in India?
- (d) What is an ecomark?
- (e) What does 'ISO' stand for?

14. Answer any *one* from the following questions : 2

- (a) Mention few 'category A' and 'category B' projects under the EIA process.
- (b) Why is it important to label environment-friendly products?

15. Answer any *one* from the following questions : 8

- (a) Discuss briefly the Environment Protection Act, 1986.
- (b) Describe briefly the concept of ecomark in India.

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