

**2021/TDC/CBCS/ODD/  
BVOCGE-301T/445**

**TDC (CBCS) Odd Semester Exam., 2021  
held in March, 2022**

**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*

**SECTION—A**

**Answer any *twenty* of the following as directed :**

**1×20=20**

- 1. SO<sub>2</sub> is an example of primary air pollutant.  
( State True or False )**
- 2. Mention the name of two major greenhouse gases.**

( 2 )

3. Ozone layer depletion is caused by \_\_\_\_\_ and \_\_\_\_\_.

( Fill in the blanks )

4. Acid rain is caused by chemical reaction of \_\_\_\_\_ and \_\_\_\_\_ which are released into the air.

( Fill in the blanks )

5. Give few examples of biopollutant.

6. The source of water pollution can be both natural and man-made.

( State True or False )

7. Define eutrophication.

8. Mention the names of two waterborne diseases.

9. The common cause of thermal pollution is the use of water as a coolant by power plants and industrial manufacturers.

( State True or False )

10. What do you mean by treatment of wastewater?

( 3 )

11. Land degradation is the temporary or permanent decline in the productive capacity of the land.

( State True or False )

12. Define wasteland.

13. Mention the names of few heavy metals released from coalmine area.

14. Mention the major sources of methane emission.

15. Mention the names of two inorganic fertilizers.

16. Define noise.

17. Human can detect sound in a frequency range of \_\_\_\_\_ Hz to \_\_\_\_\_ kHz.

( Fill in the blanks )

18. Name the various types of nuclear waste.

19. Define E-waste.

20. Mention few sources of radioactive pollution.

21. What is environmental impact analysis?

( 4 )

22. The Environment (Protection) Act was enacted in 1986.

( State True or False )

23. What is ISO certification?

24. What is environment management plan?

25. What is the importance of labelling environment-friendly products?

SECTION—B

Answer any *five* of the following questions :  $2 \times 5 = 10$

26. Define primary air pollutant. Give few examples.

27. What is greenhouse effect?

28. What are the harmful effects of acid rain?

29. What do you mean by biopollutant?

30. What is water pollution? Mention few effects of water pollution.

31. Mention the various reasons for soil pollution.

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( Continued )

( 5 )

32. How can one restore the salt-affected soil?

33. How do pesticides affect human health?

34. Mention the ecological issues related to overuse of fertilizer.

35. Why are standardization of manufactured goods important?

SECTION—C

Answer any *five* of the following questions :  $8 \times 5 = 40$

36. What are the various causes of climate change? How does it impact on our environment?  $3+5=8$

37. Describe briefly the natural and anthropogenic sources of air pollution.

38. Describe the various methods related to treatment of wastewater.

39. Describe briefly the process related to eutrophication of water bodies.

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( Turn Over )

( 6 )

40. What are the various reasons for formation of wasteland? Describe the various management options for restoration of wasteland. 2+6=8
41. Describe briefly the effects of pesticides on our environment and its various components.
42. Describe briefly occupational health hazard.
43. Define solid waste. Describe the various strategies for management of solid wastes. 1+7=8
44. Describe briefly the procedure for conducting environmental impact analysis in India. ③
45. Describe briefly the Water (Prevention and Control of Pollution) Act, 1974.

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