

**2023/TDC(CBCS)/ODD/SEM/
BVOC(IT)GE-301T/434**

TDC (CBCS) Odd Semester Exam., 2023

B.VOC (Information Technology)

(3rd Semester)

Course No. : BVOC(IT)GE-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 *twenty* questions, selecting any *four* from
each Unit :**

1×20=20

UNIT—I

- 1. Give two examples of secondary air pollutants.**
- 2. What is SPM?**

(2)

3. Give two examples of microflora.
4. What is the key role of GHGs?
5. Name two public health effects due to air pollution.

UNIT—II

6. Fill in the blank :
Excess nutrient enrichment in waterbodies may cause ____.
7. Define oil spill.
8. What is thermal pollution?
9. Mention two effects of water pollution on aquatic life.
10. Name two parameters of water quality standards.

UNIT—III

11. What is desertification?
12. What is soil NO flux?
13. Mention few soil macronutrients.

(3)

14. What is a soil fertilizer?
15. Where do you find salt affected soils?

UNIT—IV

16. What is the unit of noise level?
17. What is radioactive pollution?
18. Mention few examples of e-waste.
19. What is a hazardous waste?
20. Give two examples of hazardous waste.

UNIT—V

21. What is the purpose of environmental management plan?
22. What does BIS stand for?
23. What is the purpose of labelling environment friendly products?
24. When was the Air (Prevention and Control of Pollution) Act enacted in India?
25. What is ISO certification?

(4)

SECTION—B

Answer *five* questions, selecting *one* from
each Unit : 2×5=10

UNIT—I

26. State the role of greenhouse gases in global warming.
27. Mention two major ecological impacts due to air pollution.

UNIT—II

28. Mention few adverse effects of oil pollution.
29. Mention few public health effects of water pollution.

UNIT—III

30. What is salt affected soil? Mention the types of salt affected soils.
31. Compare between natural and synthetic fertilizers.

UNIT—IV

32. What is noise pollution? Mention two ill effects of noise pollution.

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(Continued)

(5)

33. What is occupational health hazard? Mention few sources of occupational health hazards.

UNIT—V

34. Name few environmental legislations of India.
35. Mention the various steps of an EIA process.

SECTION—C

Answer *five* questions, selecting *one* from
each Unit : 8×5=40

UNIT—I

36. Describe the ozone layer depletion process and its impact on ecosystem and human health. How does acid rain form? State the ill effects of acid rain on ecosystem and human health. 4+2+2=8
37. What is climate change? What are the major causes of climate change? Mention few important climate change mitigation strategies. 2+2+4=8

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(Turn Over)

(6)

UNIT—II

38. What is water pollution? Mention the types and sources of water pollution. Describe the process of eutrophication with examples and how it is correlated to dissolved oxygen (DO).
1+3+4=8
39. What is wastewater? Describe the process of wastewater treatment. What are the various indicators of water quality? Mention few specifications of BIS-drinking water quality standards.
1+3+2+2=8

UNIT—III

40. What is land degradation? Describe the causes and effects of land degradation on environment. Write the restoration strategies of degraded lands.
1+4+3=8
41. Mention types of coal mining in India. Name the major pollutants of coal mines. Discuss the effects of coal mining on public health and environment.
1+3+4=8

UNIT—IV

42. What is ionising radiation? Mention few sources of ionising radiations. Describe briefly the effect of radioactive pollution in our environment.
2+2+4=8

(7)

43. Mention the different categories of waste segmentation. Discuss the disposal and recycling methods of solid and hazardous waste.
3+5=8

UNIT—V

44. Discuss briefly the Water (Prevention and Control of Pollution) Act, 1974. 8
45. What is environmental management system? What is the role of ISO 14000 series in environmental management? Mention few ISO 14000 series standards.
2+3+3=8
