

TDC (CBCS) Even Semester Exam., 2023

ECOLOGY AND ENVIRONMENTAL SCIENCE

(Honours)

(6th Semester)

Course No. : EESHCC-601T

(Environmental Pollution and Human Health)

Full Marks : 50

Pass Marks : 20

Time : 3 hours

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

SECTION—A

Answer any ten of the following questions :

2×10=20

- 1. What are major sources of nitrogen oxide emissions?**
- 2. What are the national ambient air quality standards of SO₂ for ecologically sensitive areas?**

3. What are the main causes of smog formation?
4. Name the organic wastes present in wastewater.
5. How does arsenic in water affect human health?
6. Name two water-borne diseases.
7. What is soil erosion?
8. How does soil pollution affect vegetation?
9. Name two soil pollutants.
10. What is the permissible ambient noise level in industrial area?
11. What are the noise factors that affect communication?
12. Write two probable non-auditory effects of noise pollution on human health.

13. Give two examples of radioactive material.
14. Mention man-made sources of radiation.
15. Define thermal pollution. Give example.

SECTION—B

Answer any *five* of the following questions : $6 \times 5 = 30$

16. Describe briefly the sources of indoor air pollution. How does it affect human health?
 $3+3=6$
17. Differentiate between primary and secondary pollutants with example. Mention the health effects of SO_x and CO .
 $2+2+2=6$
18. What is eutrophication? Briefly discuss the causes and effects of eutrophication. $2+2+2=6$
19. Write an essay on groundwater pollution. 6
20. What are the various causes of soil degradation? Discuss the effects of soil pollution on environment and other life forms.
 $2+4=6$
21. What is soil pollution? What are the methods for controlling soil pollution?
 $2+4=6$

- 22.** Give an account of the adverse effects of noise pollution on human health. 6
- 23.** What are the various sources of noise pollution? Discuss various measures for controlling noise pollution. 2+4=6
- 24.** What is radioactive pollution? Describe briefly the somatic and genetic effects of radiation on human health. 2+4=6
- 25.** Write a note on thermal pollution. 6

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