

**2024/FYUG/EVEN/SEM/  
EESIDC-151T/041**

**FYUG Even Semester Exam., 2024**

**ECOLOGY AND ENVIRONMENTAL SCIENCE**

**( 2nd Semester )**

**Course No. : EESIDC-151T**

**( Natural Resources, Biodiversity Conservation  
and Environmental Pollution )**

**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 questions :**

**1×20=20**

- 1. Define resource.**
- 2. What are the types of forest resources?**
- 3. Define shifting cultivation.**

( 2 )

4. What do you mean by fossil fuels?
5. Write the full form of IFM.
6. Define conservation.
7. What are biodiversity hotspots?
8. What is *ex-situ* conservation?
9. Write down the full form of IUCN.
10. In which year was Red Data Book published?
11. Define pollution.
12. What are pollutants?
13. What are the main causes of air pollution?
14. Define photochemical smog.
15. Write down the full form of SPM.
16. Define climate mitigation.
17. Write down the names of greenhouse gases.
18. Define acid rain.

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19. Write down the function of ozone layer.
20. What are the causes of Bhopal Gas Tragedy?
21. Define urban sprawl.
22. What is traffic congestion?
23. Define environmental degradation.
24. How does technology affect the environment?
25. What is resettlement?

SECTION—B

Answer any five of the following questions :

2×5=10

26. Write a note on solar energy.
27. What are mineral resources? Mention their importance.
28. Differentiate between *ex-situ* and *in-situ* conservation.
29. Write a note on sacred groves.

30. Write down the types and source of radioactive pollution.
31. How to control radioactive pollution?
32. What are the causes of climate change?
33. How to control climate change?
34. Write a note on urban heat Island effect.
35. Write the negative impact of pesticide in agriculture.

## SECTION—C

Answer any five of the following questions :

36. What is nuclear energy? Write down the advantages and disadvantages of nuclear energy. 8×5=40  
2+6=8
37. Write in detail about the non-timber forest products and their importance in human society. 8
38. What are the different levels of biodiversity? Write in detail about the levels of biodiversity. 2+6=8

39. Explain the categories of the IUCN Red List. 8
40. Define soil pollution. Write down the causes, types and effects of soil pollution. 2+2+2+2=8
41. What is water pollution? What are the causes of water pollution? Write down the control measures of water pollution. 2+3+3=8
42. Write notes on the following : 4+4=8
  - (a) Bhopal Gas Tragedy
  - (b) Chernobyl Disaster
43. Write down the causes, effect and control measures of global warming. 3+2+3=8
44. Write down in detail the characteristics of urban sprawl. What are the main causes of urban sprawl? 6+2=8
45. Describe the effect of urban sprawl on the natural environment. State the factors responsible for urban sprawl. 6+2=8

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