

**2024/FYUG/EVEN/SEM/
EESVAC-151T (A)/042**

FYUG Even Semester Exam., 2024

ECOLOGY AND ENVIRONMENTAL SCIENCE

(2nd Semester)

Course No. : EESVAC-151T

(Environmental Studies)

(For Arts Students)

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 ecosystem.
2. Give two examples of lentic ecosystem.
3. What is the main source of energy in an ecosystem?

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(Turn Over)

(2)

4. Who coined the term 'succession'?
5. What is the role of decomposers in an ecosystem?
6. Name two non-renewable resources.
7. What is soil erosion?
8. Name two commercial uses of forest.
9. What are the major types of energy resources?
10. Mention one reason for land degradation.
11. Define biodiversity.
12. Name two Wildlife Sanctuaries of Assam.
13. Write the full form of WWF.

(3)

14. Mention two major threats to biodiversity.
15. Name two endangered plant species of North-East India.
16. What do you mean by environmental pollution?
17. Name the unit of noise measurement.
18. Define primary pollutants.
19. Mention two sources of soil pollution.
20. When was the Wildlife Protection Act enacted?
21. What is environmental ethics?
22. Define deep ecology.

(4)

23. Name the plant which was saved by Bishnois of Rajasthan.
24. Mention two man-made causes of landslides.
25. Name the instrument that can measure the intensity of earthquake.

SECTION—B

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

26. What do you mean by food chain? Mention its types with examples.
27. Differentiate between Primary and Secondary succession.
28. What are renewable resources? Give examples. $1+1=2$
29. What are the causes of deforestation?

(5)

30. Differentiate between *in-situ* and *ex-situ* conservation of biodiversity with suitable examples.
31. Write the full form of CITES. Name two National Parks of Assam.
32. Define greenhouse effect. Name two greenhouse gases found in the earth's atmosphere. $1+1=2$
33. What are the effects of acid rain on environment?
34. What is ecofeminism?
35. What are the causes of floods?

SECTION—C

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

36. What is ecological pyramid? Discuss the different types of ecological pyramids with suitable examples. $1+7=8$

(6)

37. Define biogeochemical cycle. Illustrate the nitrogen cycle with a diagram. 2+6=8
38. Give a detailed account on the use and overexploitation of surface and groundwater. 8
39. What are energy resources? Discuss briefly the uses of solar energy as an alternative source of energy. 2+6=8
40. What is biodiversity hotspot? Discuss the biodiversity hotspots found in India. 2+6=8
41. Give a detailed account on human-wildlife conflict in India. 8
42. What is ozone layer depletion? What are the impacts of ozone depletion on the environment and human health? 2+6=8
43. What are solid wastes? Discuss the management of solid wastes. 2+6=8

(7)

44. What are the effects of earthquake? Discuss the mitigation measures that should be taken during an earthquake. 3+5=8
45. What is the aim of the environmental movement? Write a note on the Chipko Movement. 2+6=8
