

FYUG Even Semester Exam., 2024

ECOLOGY AND ENVIRONMENTAL SCIENCE

(2nd Semester)

Course No. : EESVAC-151T

(Environmental Studies)

**(For Science, Commerce, Computer
Application, Business Administration and
Vocational Courses)**

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. Give an example of man-made ecosystem.**
- 2. What is the main source of energy in an ecosystem?**

3. Name the final stable community in ecological succession.
4. Give one example of lotic ecosystem.
5. What is the role of decomposers in an ecosystem?
6. Give one example of non-renewable resource.
7. Write two commercial uses of forest.
8. What is soil erosion?
9. Name two alternative energy resources.
10. Write two causes of water scarcity in India.
11. Who proposed the term 'biodiversity'?
12. Name one National Park of Assam.

13. What is the full form of IUCN?
14. Define species diversity.
15. Name one endemic plant species of North-East India.
16. Give one example of secondary air pollutant.
17. Name two greenhouse gases present in the atmosphere.
18. What is solid waste?
19. In which year was the Wildlife Protection Act enacted?
20. What is climate change?
21. What is deep ecology?

22. Write two causes of earthquake.
23. When was the Chipko Movement initiated in India?
24. What is ecofeminism?
25. Mention any one right of animal.

SECTION—B

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

26. Distinguish between grazing and detritus food chain.
27. Define ecological succession. Mention its types.
28. What are the causes of land degradation?

29. Mention the uses of water resource.
30. What is biodiversity hotspot? Name one hotspot found in India.
31. What are the major threats to biodiversity?
32. What are the effects of acid rain on environment?
33. Mention the causes of groundwater pollution.
34. Mention two principles of environmental ethics.
35. Mention the natural and man-made causes of landslide.

SECTION—C

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

36. What is nutrient cycle? Illustrate carbon cycle with suitable example. $2 + 6 = 8$

37. What is ecological pyramid? Discuss its types with example. $2+6=8$
38. What is deforestation? Give a detailed account on the causes of deforestation in India. $1+7=8$
39. Differentiate between renewable and non-renewable energy resources with examples.
40. Discuss *in situ* and *ex situ* methods of conservation of biodiversity with examples.
41. Write a note on the man-wildlife conflict in Indian context.
42. What is noise pollution? What are its adverse effects? $2+6=8$
43. Discuss the causes and effects of global warming.

44. Write a note on the Silent Valley Movement.
45. Define flood. What are the causes and impacts of floods? Discuss the mitigation strategies of flood. $1+4+3=8$
