

**2025/FYUG/EVEN/SEM/
EESVAC-151(A)/068**

FYUG Even Semester Exam., 2025

**ECOLOGY AND ENVIRONMENTAL
SCIENCE**

(2nd Semester)

Course No. : EESVAC-151

(Environmental Studies)

(For Arts)

Full Marks : 70

Pass Marks : 28

Time : 3 hours

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

UNIT—I

**1. Answer any four of the following
questions : 1×4=4**

**(a) Name the abiotic components of an
ecosystem.**

Give One example of ecosystem.

(d) Mention the different types of terrestrial chain.

(e) Give One example of tertiary consumer.

2. Answer any one of the following questions:

(a) Define biogeochemical cycle. Mention its types with example.

(b) What is food web? Give example.

3. Answer any one of the following questions:

(a) Define ecosystem. Explain how the flow of energy takes place in an ecosystem.

(b) What is ecological succession? Discuss its types with suitable examples.

J25/1291

2+6=8

1+7=8

4. Answer any four of the following questions :

1×4=4

(a) Give two examples of inexhaustible resources.

(b) Write two causes of deforestation.

(c) Which State is the largest producer of wind energy in India?

(d) Mention two economic uses of forest.

(e) Name one wetland in Assam.

5. Answer any one of the following questions : 2

(a) Mention the impacts of soil erosion.

(b) Differentiate between renewable and non-renewable resources with example.

6. Answer any one of the following questions : 8

(a) What are energy resources? Discuss briefly about the importance of alternative sources of energy.

1+7=8

(Turn Over)

(b) What is deforestation? Describe briefly the causes and effects of deforestation in India.

UNIT—III

7. Answer any four of the following questions :

(a) Who coined the term 'biodiversity'?

(b) Name one biosphere reserve in Assam.

(c) Write the full form of WWF.

(d) Name one endemic animal species of North-East India.

(e) Mention two major threats to biodiversity.

8. Answer any one of the following questions : 2

(a) What is *in situ* conservation? Give example.

(b) Mention the causes of human-wildlife conflict in India.

Answer any one of the following questions : 8

(a) Define biodiversity. Mention briefly the levels of biodiversity of North-East India. 1+1+6=8

(b) Define biodiversity hotspots. Discuss briefly about global biodiversity hotspots. 2+6=8

UNIT—IV

10. Answer any four of the following questions : 1 x 4 = 4

(a) Give two examples of non-biodegradable pollutants.

(b) Mention two sources of noise pollution.

(c) In which year was the Environment Protection Act enacted?

(d) Write the full form of PAN.

(e) Name one ozone depleting substance. 2

11. Answer any one of the following questions :

(a) What are the man-made sources of surface water pollution?

(b) What is solid waste management?

(a) Answer any one of the following questions : 8
What is soil pollution? Discuss the causes and effects of soil pollution. How can it be controlled?

(b) What is climate change? Discuss the causes and effects of climate change. How can it be controlled? 2+4=6

(a) Answer any one of the following questions : 8
What is environmental movement? Write a note on the Chipko Movement. 1+7=8

(b) Define landslides. What are the causes and impacts of landslides? Discuss the mitigation measures of landslides. 1+4+3=8

13. Answer any four of the following questions : 14

- (a) Define environmental ethics. 1x4
- (b) Who proposed the term 'deep ecology'? 1x4
- (c) Mention two effects of earthquake. 1x4
- (d) Write the full form of KSSP. 1x4

14. Answer any one of the following questions : 2

- (a) What is ecofeminism?
- (b) What are the man-made causes of floods?

J25/1291