

2025 / FYUG / EVEN / SEM /
EESVAC-151(B)/069

FYUG Even Semester Exam., 2025

ECOLOGY AND ENVIRONMENTAL SCIENCE

(2nd Semester)

Course No. : EESVAC-151

(Environmental Studies)

**(For Science, Commerce, BBA, BCA
and BVoc Students)**

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 :

(a) Who coined the term 'succession'? 1×4

(b) Define ecosystem.

(c) Give two examples of lentic ecosystem.

- (b) What are the causes of deforestation?
- (c) Give one example of renewable resource.
- (d) Name two commercial uses of forest.
- (e) Name two types of energy resources.

5. Answer any one question of the following : 2
- (a) Differentiate between renewable and non-renewable resources with example.
 - (b) What are the causes of land degradation?
6. Answer any one question of the following : 8

- (a) Give a detailed account on the use of surface and groundwater.
- (b) Give a note on alternative sources of energy resources.

- (d) Name the main source of energy in an ecosystem.
- (e) Give an example of gaseous type of biogeochemical cycle.

2. Answer any one question of the following : 2
- (a) What is food web? Give example.
 - (b) Differentiate between primary and secondary successions.

3. Answer any one question of the following : 8
- (a) What is ecological pyramid? Discuss its types with examples. 2+6=8
 - (b) Write short notes on the following : 4+4=8
 - (i) Forest ecosystem
 - (ii) Pond ecosystem

UNIT—II

4. Answer any four of the following questions : 1×4=4
- (a) What is soil erosion?

- (b) Write short notes on the following:
 - (i) In Situ conservation
 - (ii) Ex Situ conservation

UNIT—IV

10. Answer any four of the following questions: 1x4=4

- (a) What is noise pollution?
- (b) Name one secondary air pollutant.
- (c) What is climate change?
- (d) Give one source of soil pollution.
- (e) Name two greenhouse gases present in the atmosphere.

11. Answer any one question of the following: 2

- (a) What is solid waste?
- (b) What are the effects of acid rain on environment?

UNIT—III

1. Answer any four questions of the following : 1x4=4

- (a) Define biodiversity.
- (b) Name one Wildlife Sanctuary of Assam.
- (c) Write the full form of WWF.
- (d) Name two endemic animal species of North-East India.
- (e) What is the full form of IUCN?

8. Answer any one question of the following : 2

- (a) Name two biodiversity hotspots found in the Indian subcontinent.
- (b) What are the major threats to biodiversity?

9. Answer any one question of the following : 8

- (a) Give a detailed account on human-wildlife conflict in India.

15. Answer any one question of the following :

- (a) Discuss the causes and effects of earthquake. Write the measures of earthquake mitigation.
- (b) Give a detailed note on the Chipko Movement.

Answer any one question of the following : 8

- (a) What is ozone layer depletion? Discuss the impacts of ozone layer depletion on environment. 2+6=8
- (b) Give a detailed account on the causes and effects of global warming. 8

UNIT—V

13. Answer any four of the following questions : 1x4=4

- (a) Define deep ecology.
- (b) Who was the founder of the Bishnoi Movement?
- (c) Name the instrument that measures the intensity of earthquake.
- (d) Mention one right of animal.
- (e) Write two causes of flood.

14. Answer any one question of the following : 2

- (a) What is ecofeminism?
- (b) Write two principles of environmental ethics.

(Continued)