

**2025 / FYUG / EVEN / SEM /
EESIDC-151 / 064**

FYUG Even Semester Exam., 2025

**ECOLOGY AND ENVIRONMENTAL SCIENCE
(2nd Semester)**

Course No. : EESIDC-151

**(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*

UNIT—I

1. Answer any *four* of the following questions :

1×4=4

(a) Define renewable resources.

(b) What is hydroelectric power?

(c) Define fossil fuels.

(2)

- (d) Mention the types of mineral resources.
- (e) What is non-timber forest product?
2. Answer any *one* of the following questions : 2
- (a) Write a note on shifting cultivation.
- (b) What are the functions of Joint Forest Management?
3. Answer any *one* of the following questions : 8
- (a) Write in detail about the distribution of important minerals in India.
- (b) Define forest. Write briefly about the forest resources in India, its uses and importance. $2+6=8$

UNIT—II

4. Answer any *four* of the following questions : $1 \times 4 = 4$
- (a) Define biodiversity.
- (b) What do you mean by values of biodiversity?

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(Continued)

(3)

- (c) How many biodiversity hotspots are there in India?
- (d) What is *in-situ* conservation?
- (e) What is gene bank?
5. Answer any *one* of the following questions : 2
- (a) What is ecosystem diversity?
- (b) Write a note on Tiger Task Force.
6. Answer any *one* of the following questions : 8
- (a) What are the threats to biodiversity? What is the importance of conservation of biodiversity? $5+3=8$
- (b) Write short notes on the following : $4 \times 2 = 8$
- (i) Zoological Park
- (ii) Sacred groves in N-E India

UNIT—III

7. Answer any *four* of the following questions : $1 \times 4 = 4$
- (a) What are secondary pollutants?

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(4)

- (b) What is water pollution?
- (c) Define eutrophication.
- (d) What are indoor air pollutants?
- (e) Name two diseases caused by radioactive pollution.

8. Answer any one of the following questions : 2

- (a) What is heavy metal pollution?
- (b) What is soil pollution?

9. Answer any one of the following questions : 8

- (a) What is noise pollution? Write the causes and effects of noise pollution. $2+3+3=8$
- (b) What is air pollution? Write down the causes and control measure of air pollution. $2+3+3=8$

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(Continued)

(5)

UNIT—IV

10. Answer any four of the following questions : $1 \times 4 = 4$

- (a) Define climate change.
- (b) Write the name of greenhouse gases.
- (c) Define weather.
- (d) What was the cause of the Chernobyl disaster?
- (e) What is global warming?

11. Answer any one of the following questions : 2

- (a) How is acid rain formed?
- (b) Write a note on the Kalpakkam disaster.

12. Answer any one of the following questions : 8

- (a) What is ozone layer? What are the causes of ozone layer depletion and its effects? $2+4+2=8$

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(Turn Over)

(b) Write short notes on the following : 4×2=8

- (i) Minamata disaster
- (ii) Fukushima nuclear accident

UNIT—V

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

- (a) What do you mean by rehabilitation?
- (b) What is developed-induced displacement?
- (c) What do you mean by environmental degradation?
- (d) What is the urban heat island effect?
- (e) What is modern agriculture?

14. Answer any one of the following questions : 2

- (a) What is the positive impact of technology on environment?
- (b) What are the negative effects of technology on environment?

15. Answer any one of the following questions : 8

- (a) Describe briefly the impact of industry on environment.
- (b) Discuss the impacts of modern agriculture on environment.
