

**2024**  
( CBCS )  
( 4th Semester )

**ENVIRONMENTAL STUDIES**  
( **Compulsory Foundation Paper** )

*Full Marks : 75*

*Time : 3 hours*

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

**( SECTION : A—OBJECTIVE )**

*( Marks : 10 )*

Tick (✓) the correct answer in the brackets provided :

1×10=10

1. Which is the best method from an environmental point of view?

(a) Recycle ( )

(b) Reduce ( )

(c) Reuse ( )

(d) All of the above ( )

**2.** World Environment Day is observed on

- (a) 1st December ( )
- (b) 5th June ( )
- (c) 14th November ( )
- (d) 15th August ( )

**3.** Energy flow in ecosystem is

- (a) unidirectional ( )
- (b) bidirectional ( )
- (c) tridirectional ( )
- (d) multidirectional ( )

**4.** In a food chain, herbivores are

- (a) primary consumers ( )
- (b) primary producers ( )
- (c) secondary consumers ( )
- (d) Decomposers ( )

5. The biogeographical region of India is divided into

(a) 5 regions ( )

(b) 10 regions ( )

(c) 15 regions ( )

(d) 25 regions ( )

6. How many biodiversity hotspots are there in the world?

(a) 16 ( )

(b) 26 ( )

(c) 36 ( )

(d) 46 ( )

7. Which of the following is mainly responsible for ozone layer depletion?

(a) Carbon dioxide ( )

(b) Methane ( )

(c)  $N_2O$  ( )

(d) CFC ( )

8. Which of the following is not a greenhouse gas?

(a) Carbon dioxide ( )

(b) Water vapour ( )

(c) Methane ( )

(d) Oxygen ( )

9. The well-known leader of the Chipko Movement is

(a) Amrita Devi ( )

(b) S. Bahuguna ( )

(c) B. D. Sharma ( )

(d) Medha Patkar ( )

10. Eutrophication is related to

(a) air pollution ( )

(b) water pollution ( )

(c) soil pollution ( )

(d) noise pollution ( )

**( SECTION : B—SHORT ANSWERS )**

**( Marks : 15 )**

Answer/Write short notes on the following :

3×5=15

**UNIT—I**

1. Explain renewable and non-renewable resources.

**OR**

2. Energy resources

**UNIT—II**

3. Food chain and Food web

**OR**

4. Energy flow in ecosystem

**UNIT—III**

5. *In situ* and *Ex situ* conservations

**OR**

6. Value of biodiversity

**UNIT—IV**

7. Solid Waste Management

**OR**

8. Soil pollution

**UNIT—V**

9. Water harvesting

**OR**

10. Impact of Silent Valley Movement

( SECTION : C—DESCRIPTIVE )

( Marks : 50 )

Answer the following :

UNIT—I

1. Describe the scope and importance of environmental studies.

OR

2. Discuss about the water and food resources.

UNIT—II

3. Explain the structure and function of ecosystem.

OR

4. Describe ecological succession.

UNIT—III

5. Define the term 'biodiversity'. Discuss the pattern and levels of biodiversity.

OR

6. Explain the causes and consequences of biodiversity loss.

UNIT—IV

7. What is air pollution? Write the causes, effect and control measures of air pollution.

OR

8. What is water pollution? Write the causes, effect and control measures of water pollution.

UNIT—V

9. Write short notes on the following :

5+5=10

(a) Climate change

(b) Global warming

**OR**

10. Write short notes on the following :

5+5=10

(a) Chipko Movement

(b) History of Silent Valley Project

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