

**2024**

( NEP-2020 )

( 2nd Semester )

**GEOGRAPHY (MAJOR/MINOR)**

**( Environmental Geography )**

*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. The term 'environmental geography' was first used by

- (a) K. Hewitt and O'Hare (    )
- (b) K. Hewitt and F. K. Hare (    )
- (c) Savindra Singh (    )
- (d) A. G. Tansley (    )

2. Which one of the following is a greenhouse gas in the atmosphere?

- (a) Hydrogen (    )
- (b) Oxygen (    )
- (c) Carbon dioxide (    )
- (d) Nitrogen (    )

3. Carbon stored in the sediments, fossil fuels and organic matter in a
- (a) gaseous phase ( )
  - (b) liquid phase ( )
  - (c) solid phase ( )
  - (d) magnetic phase ( )
4. Which of the following gases is in the highest concentration in the Earth's atmosphere?
- (a) Oxygen ( )
  - (b) Nitrogen ( )
  - (c) Carbon dioxide ( )
  - (d) Methane ( )
5. Which one of the following is the major cause of the depletion of ozone layer?
- (a) Chlorofluorocarbons ( )
  - (b) Butane ( )
  - (c) Nitrogen ( )
  - (d) Propane ( )
6. The term 'biodiversity' was first used and coined by
- (a) Adam Smith ( )
  - (b) Aristotle ( )
  - (c) Walter G. Rosen ( )
  - (d) Alfred Wegener ( )
7. Which of the following is the pollutant of water?
- (a) Industrial waste ( )
  - (b) Siltation ( )
  - (c) Volcanic dust ( )
  - (d) All of the above ( )

8. The term 'biodiversity hotspot' was first coined by
- (a) Nicholas Hare ( )
  - (b) Norman Myers ( )
  - (c) George Pereira ( )
  - (d) James Friedman ( )
9. Which one of the following is not a biodiversity hotspot in India?
- (a) The Himalayas ( )
  - (b) The Mediterranean ( )
  - (c) The Western Ghats ( )
  - (d) The Indo-Burma Region ( )
10. The Gir National Park and Wildlife Sanctuary is located in which State?
- (a) Rajasthan ( )
  - (b) Gujarat ( )
  - (c) Madhya Pradesh ( )
  - (d) Tamil Nadu ( )

**( SECTION : B—SHORT ANSWERS )**

( Marks : 15 )

Write short notes on/Answer five of the following, taking at least one from each Unit :

3×5=15

**UNIT—I**

1. Components of ecosystem
2. Write a short note on the biosphere.

**UNIT—II**

3. Explain the energy flow in the ecosystem.
4. Differences between autotrophs and heterotrophs

UNIT—III

5. What is air pollution?
6. What is biodiversity? Explain in brief.

UNIT—IV

7. Importance of wildlife sanctuaries
8. Define national parks.

( SECTION : C—DESCRIPTIVE )

( Marks : 50 )

Answer *five* questions, taking at least *one* from each Unit :

10×5=50

UNIT—I

1. What is environmental geography? Discuss the nature and scope of environmental geography. 2+8=10
2. Define environment. Discuss in detail the major components of the environment. 2+8=10

UNIT—II

3. Describe in detail the carbon cycle with a suitable diagram. 10
4. Discuss in detail the nitrogen cycle with a suitable diagram. 10

UNIT—III

5. Define water pollution. What are the causes and effects of water pollution? Write the control measures of water pollution. 2+(3+3)+2=10
6. What is deforestation? Explain the causes and effects of deforestation. 2+(4+4)=10

UNIT—IV

7. What is environmental policy? Give a detailed account of National Environmental Policies. 3+7=10
8. What is bio-diversity hotspot? Briefly explain the biodiversity hotspots in India. 2+8=10

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