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(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. Who coined the term 'ecosystem'?

- (a) E. Warming ()
- (b) A. G. Tansley ()
- (c) E. P. Odum ()
- (d) E. Haeckel ()

2. Which statement is correct with respect to the food chain?

- (a) Every component of the food chain forms a trophic level. ()
- (b) Inter-relation between different food chains is known as a food web. ()
- (c) All the chains formed by nutritional relations are used to understand energy flow. ()
- (d) All of the above ()

3. 'Biogeochemical cycles' refer to
- (a) the cycling processes between biomes and the inorganic environment of the biosphere ()
 - (b) the cyclical processes within the organisms that make up an ecosystem ()
 - (c) the decline as energy flows through the trophic levels of the ecosystem ()
 - (d) the complex processes of material circulation only in terrestrial ecosystems ()
4. The process by which water vapour changes into liquid water?
- (a) Evaporation ()
 - (b) Sublimation ()
 - (c) Condensation ()
 - (d) Precipitation ()
5. The process of restoring damaged or destroyed forests by planting trees is
- (a) reforestation ()
 - (b) afforestation ()
 - (c) deforestation ()
 - (d) forestation ()
6. Which of the following is a waterborne disease?
- (a) Tuberculosis ()
 - (b) Cholera ()
 - (c) HIV ()
 - (d) Influenza ()
7. When was the National Environmental Policy Act signed into law?
- (a) January 1, 1970 ()
 - (b) January 2, 1970 ()
 - (c) January 1, 1971 ()
 - (d) January 2, 1971 ()

8. The Central Pollution Control Board (CPCB) was constituted in
- (a) 1947 ()
 - (b) 1974 ()
 - (c) 1979 ()
 - (d) 1997 ()
9. The place where the threatened animals and plants are protected for special care is known as
- (a) *In situ* conservation ()
 - (b) *Ex situ* conservation ()
 - (c) Wildlife sanctuary ()
 - (d) National park ()
10. Which is a home to one-horned rhino in India?
- (a) Kaziranga National Park ()
 - (b) Phawngpui National Park ()
 - (c) Gir National Park ()
 - (d) Keoladeo National Park ()

(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. Define environment.
- 2. Ecological pyramid

UNIT—II

- 3. What is carbon cycle?
- 4. What is nitrogen fixation?

UNIT—III

5. Write a short note on deforestation.
6. Types of water pollutants

UNIT—IV

7. Biodiversity hotspots
8. Wildlife sanctuary

(SECTION : C—DESCRIPTIVE)

(Marks : 50)

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

10×5=50

UNIT—I

1. Define environmental geography. Discuss the scope of environmental geography. 2+8=10
2. Define ecosystem. Write the components and functions of ecosystem. 2+(4+4)=10

UNIT—II

3. Explain hydrological cycle with a suitable diagram. 10
4. What do you mean by energy flow? Discuss the concept of trophic level and food chain. 3+(3+4)=10

UNIT—III

5. What is air pollution? What are the sources and effects of air pollution? Suggest measures to control air pollution. 2+(2+2)+4=10
6. Define biodiversity. What are the levels of biodiversity? Discuss the threats to biodiversity. 3+3+4=10

UNIT—IV

7. Give an account of key international conferences on environmental protection and management. 10
8. Write an essay on National parks. 10
