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(CBCS)

(4th Semester)

ENVIRONMENTAL STUDIES

FOURTH PAPER

(Revised)

Full Marks : 75

Time : 3 hours

*The figures in the margin indicate full marks for the questions***(SECTION : A—OBJECTIVE)**

(Marks : 10)

1×10=10

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

1. The energy stored within the earth is

- (a) tidal energy ()
 (b) geothermal energy ()
 (c) ocean energy ()
 (d) solar energy ()

2. Quartz is an example of a/an

- (a) forest resource ()
 (b) energy resource ()
 (c) mineral resource ()
 (d) land resource ()

3. The energy flow in the ecosystem is

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

4. The pyramid of _____ is always upright.

- (a) biomass ()
- (b) numbers ()
- (c) energy ()
- (d) productivity ()

5. How many hotspots are there in India?

- (a) Two ()
- (b) Three ()
- (c) Four ()
- (d) Five ()

6. National Park is an example of

- (a) in-situ conservation ()
- (b) ex-situ conservation ()
- (c) off-site conservation ()
- (d) community reserves ()

7. Carbon monoxide and carbon dioxide are the examples of

- (a) water pollutants ()
- (b) air pollutants ()
- (c) soil pollutants ()
- (d) noise pollutants ()

8. Food waste is

- (a) biodegradable ()
- (b) non-biodegradable ()
- (c) partially biodegradable ()
- (d) non-degradable ()

9. The term 'sustainable development' was first used by the Brundtland Commission in

- (a) 1985 ()
- (b) 1986 ()
- (c) 1987 ()
- (d) 1988 ()

10. Silent Valley Movement was started in 1973 in the State of

- (a) Kerala ()
(b) Karnataka ()
(c) Uttarakhand ()
(d) Uttar Pradesh ()

(SECTION : B—SHORT ANSWERS)

(Marks : 15)

Write short notes on the following :

3×5=15

UNIT—I

1. Water resource

OR

2. Land resource

UNIT—II

3. Energy flow

OR

4. Food web

UNIT—III

5. In-situ conservation

OR

6. Hotspot of biodiversity

UNIT—IV

7. Air pollution

OR

8. Sources of water pollution

UNIT—V

9. Chipko Movement

OR

10. Appiko Movement

(SECTION : C—DESCRIPTIVE)

(Marks : 50)

Answer the following :

10×5=50

UNIT—I

1. What do you understand by environmental studies? Discuss the importance and multi-disciplinary nature of environmental studies. 2+(4+4)=10

OR

2. Write short notes on the following : 5+5=10

- (a) Mineral resources
(b) Forest resources

UNIT—II

3. What is an ecosystem? Explain the major ecosystems. 2+8=10

OR

4. Write short notes on the following : 5+5=10

- (a) Food chain
(b) Ecological succession

UNIT—III

5. Define the term 'biodiversity'. Explain the causes of biodiversity loss. 2+8=10

OR

6. Write short notes on the following : 5+5=10

- (a) Pattern and levels of biodiversity
(b) Value of biodiversity

UNIT—IV

7. What is soil pollution? What are the causes and effects of soil pollution? 2+(4+4)=10

OR

8. What is noise pollution? What are the causes and effects of noise pollution? 2+(4+4)=10

UNIT—V

9. What do you understand by the term 'global warming'? Explain the causes and effects of global warming. 2+(4+4)=10

OR

10. Write short notes on the following : 5+5=10

- (a) Acid rain
(b) Ozone layer depletion
