

2013

(4th Semester)

ENVIRONMENTAL STUDIES

Paper : EVS-I

Full Marks : 75

Time : 3 hours

(PART : B—DESCRIPTIVE)

(Marks : 50)

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

Answer five questions, taking one from each Unit

UNIT—I

- 1. What do you mean by deforestation? What are the problems caused by deforestation and how to control it?** 2+8=10
- 2. Describe the major mineral resources of India.** 10

UNIT—II

3. Define ecosystem. Describe food chain, food web and ecological pyramids. 2+8=10
4. Briefly describe the structure and functions of ecosystem. 10

UNIT—III

5. Define biodiversity. Discuss the factors affecting biodiversity. 2+8=10
6. Write short notes on any two of the following : 5×2=10
- (a) Classification of biogeographical regions of India
 - (b) Concept and criteria of biodiversity hot spots
 - (c) In situ conservation of biodiversity
 - (d) Causes of loss of biodiversity

UNIT—IV

7. Define pollution. What are the causes of water pollution and how to prevent water pollution? 2+6+2=10

8. Write short notes on any *two* of the following:

5×2=10

- (a) Causes of air pollution
- (b) Control measures of urban or industrial waste
- (c) Earthquakes
- (d) Landslides

UNIT—V

9. What is sustainable development? Briefly describe the concept and important pillars of sustainable developments.

2+8=10

10. Write short notes on any *two* of the following :

5×2=10

- (a) Chipko Movement
- (b) Rainwater harvesting
- (c) Carrying capacity of environment
- (d) Wasteland reclamation

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(4th Semester)

ENVIRONMENTAL STUDIES

Paper : EVS-I

(PART : A—OBJECTIVE)

(Marks : 25)

The figures in the margin indicate full marks for the questions

Answer **all** questions

SECTION—A

(Marks : 10)

Tick (✓) the correct answer in the brackets provided : $1 \times 10 = 10$

1. The World Environment Day is observed on

(a) 5th May ()

(b) 5th June ()

(c) 15th June ()

(d) 15th July ()

2. Autotrophic organism is called

- (a) Producer ()
- (b) Consumer ()
- (c) Decomposer ()
- (d) Herbivore ()

3. Ecosystem involves interaction between

- (a) plants and animals ()
- (b) all living and non-living organisms ()
- (c) plants and non-living organisms ()
- (d) plants and animals ()

4. To qualify as megadiversity a region have lost of its original habitat at least

- (a) 70% ()
- (b) 65% ()
- (c) 75% ()
- (d) 80% ()

5. The coverage of freshwater on the earth is

- (a) 97% ()
- (b) 4% ()
- (c) 3% ()
- (d) 2% ()

6. "Meeting the needs of present without compromising the ability of future generation to meet their own needs" is given by

- (a) Norman Myer ()
- (b) Amrita Devi ()
- (c) Brundtland ()
- (d) UNCED ()

7. Which of the following NGOs is associated with 'Chipko Movement'?

- (a) Dasholi Gram Swarajya Mandal ()
- (b) Narmada Bachao Andolan ()
- (c) Centre for Science and Environment ()
- (d) Kalpavriksh ()

8. Tourists enjoy the aesthetic value of biodiversity and this type of tourism is known as

- (a) Medical tourism ()
- (b) Great time tourism ()
- (c) Ecotourism ()
- (d) Wildlife tourism ()

9. The most important indoor air pollutant is

- (a) SO_2 ()
- (b) CO_2 ()
- (c) NO_2 ()
- (d) Radon gas ()

10. Which of the following is the main responsible for ozone depletion in the stratosphere?

- (a) CFC ()
- (b) CH_4 ()
- (c) CO_2 ()
- (d) N_2O ()

(5)

SECTION—B

(Marks : 15)

Answer the following questions :

3×5=15

1. What do you understand by population growth? What steps will be taken to control population growth?

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2. What are the biotic and abiotic components of an ecosystem?

(5)

21-2-12

Answer the following questions:

1. What do you understand by population growth? What steps will be taken to control population growth?

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3. What are the major implications of global warming?

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4. Explain alpha, beta and gama patterns of biodiversity.

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5. Briefly describe the impact of shifting cultivation in Mizoram.

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