

23 MAY 2012

IV/EVS

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

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(Turn Over)

(2) .

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 : $5 \times 2 = 10$
- (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? $2+6+2=10$

(3)

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

2013

(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 : 1×10=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 ()

(4)

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) SO₂ ()

(b) CO₂ ()

(c) NO₂ ()

(d) Radon gas ()

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

(a) CFC ()

(b) CH₄ ()

(c) CO₂ ()

(d) N₂O ()

(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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(6)

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

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(7)

3. What are the major implications of global warming?

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(8)

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

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(9)

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

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