

IV/EVS

2014

(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 is a natural resource? Describe the major types of natural resource and their associated problems. 2+8=10
2. What do you mean by deforestation? What are the problems caused by deforestation? Suggest remedial measures. 2+3+5=10

(2)

UNIT—II

3. Define ecosystem. What are the structural and functional aspects of an ecosystem? 2+8=10
4. Give an account of the following with suitable examples : 5+5=10
- (a) Ecological pyramids
 - (b) Energy flow in an ecosystem

UNIT—III

5. Define endangered species. What kind of threats to the biodiversity may lead to its loss? 2+8=10
6. Give an account of any *two* of the following : 5×2=10
- (a) Biogeographical classification of India
 - (b) Biodiversity at the local level
 - (c) *Ex situ* and *in situ* conservations
 - (d) Biodiversity hot spots

(3)

UNIT—IV

7. Write, in detail, the control measures of soil pollution. 10
8. Write notes on any *two* of the following : 5×2=10
- (a) Floods
 - (b) Earthquakes
 - (c) Cyclones
 - (d) Control measures of solid wastes

UNIT—V

9. Write short notes on any *two* of the following : 5×2=10
- (a) Sustainable development
 - (b) Wasteland reclamation
 - (c) Rainwater harvesting
 - (d) Resettlement and rehabilitation of people
10. Describe the factors that affect human population growth rate. 10

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2014

(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. The term 'ecosystem' was coined and introduced by

(a) E. P. Odum ()

(b) A. G. Tansley ()

(c) R. Mishra ()

(d) Charles Darwin ()

3. The flow of energy is governed by

(a) two laws of thermodynamics ()

(b) one law of thermodynamics ()

(c) three laws of thermodynamics ()

(d) None of the above ()

4. The comparison of diversity between two ecosystems is called

(a) alpha diversity ()

(b) beta diversity ()

(c) gamma diversity ()

(d) ecosystem diversity ()

5. The species which are confined only to a particular geographical area are called

- (a) endangered species ()
- (b) endemic species ()
- (c) exotic species ()
- (d) None of the above ()

6. Forests and wildlife are

- (a) renewable resources ()
- (b) nonrenewable resources ()
- (c) inexhaustible resources ()
- (d) None of the above ()

7. Gas leaked in Bhopal Tragedy was

- (a) potassium isothiocyanate ()
- (b) sodium isothiocyanate ()
- (c) ethyl isocyanate ()
- (d) methyl isocyanate ()

8. Lichens are an indicator of
- (a) air pollution ()
 - (b) water pollution ()
 - (c) soil pollution ()
 - (d) noise pollution ()
9. Which of the following is not a 'greenhouse gas'?
- (a) Oxygen ()
 - (b) Carbon dioxide ()
 - (c) Chlorofluorocarbon ()
 - (d) Methane ()
10. The zero population growth due to equal birth and death rates is called
- (a) natural increase ()
 - (b) demographic transition ()
 - (c) fertility rate ()
 - (d) replacement level ()

(5)

SECTION—B

(Marks : 15)

Write on the following :

3×5=15

1. Deforestation

(6)

2. Food chain and food web

(7)

3. Definition of biodiversity and megadiversity zones

(8)

4. Landslides in Mizoram

(9)

5. Chipko Movement
