

(2) **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

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(Turn Over)

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

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 : 1×10=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. 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)

Write on the following :

3×5=15

1. Deforestation

2. Food chain and food web

Write on the following :
[Marks : 15]

1. Elaboration
2. Definition
3. Example

3. Which of the following is not a greenhouse gas?

- (a) Oxygen
- (b) Carbon dioxide
- (c) Chlorofluorocarbon
- (d) Methane

10. The rate of population growth in an area is called

- (a) natural increase
- (b) demographic transition
- (c) fertility rate
- (d) replacement level

3. Definition of biodiversity and megadiversity zones

4. Landslides in Mizoram

5. Chipko Movement

IV/EVS

EXPERIMENTAL STUDIES

Topic: ...

Full Marks: 75

Time: 3 hours

PART B—DESCRIPTIVE

(Marks: 30)

Write five questions, indicate full marks for the questions.

Write five questions, taking one from each Unit.

Q.1. Describe the various types of natural resources and their problems. (5-6-10)

Q.2. What are the main causes of deforestation? (3-4-10)