

**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 )

( 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



2. Food chain and food web

( 10 marks )

Write on the following:

1. Definition

( 7 )

3. Definition of biodiversity and megadiversity zones

( 8 )

4. Landslides in Mizoram

( 9 )

5. Chipko Movement

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