

**EVST/IV/ALL**

**2017**

**( 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*

**UNIT—I**

1. What do you mean by deforestation?  
Briefly describe the various consequences  
of deforestation. 2+8=10

*Or*

What is natural resource? Give a detailed  
account of the uses and overexploitation of  
mineral resources. 2+8=10

( 2 )

UNIT—II

2. Describe food chain, food web and ecological pyramid with suitable examples and diagrams. 2+2+6=10

Or

Describe the biotic and abiotic components of ecosystem with suitable examples. 5+5=10

UNIT—III

3. Define biodiversity. Discuss the major threats of biodiversity. 2+8=10

Or

Give an account of any *two* of the following : 5×2=10

- (a) Biodiversity hot spots
- (b) Ex-situ and In-situ conservations
- (c) Biogeographical classification of India

UNIT—IV

4. What is pollution? Write down in detail the causes and control measures of water pollution. 2+8=10

( 3 )

Or

Write notes on any *two* of the following :  $5 \times 2 = 10$

- (a) Flood
- (b) Causes of air pollution
- (c) Earthquakes

UNIT—V

5. Write short notes on any *two* of the following :  $5 \times 2 = 10$

- (a) Rainwater harvesting
- (b) Population explosion
- (c) Wasteland reclamation

Or

Define shifting cultivation. What are the major impacts of shifting cultivation on land degradation?  $2 + 8 = 10$

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Subject Code : EVST/IV/ALL

Booklet No. **A**

2282

1 MAY 2017

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Date Stamp .....

To be filled in by the Candidate

DEGREE 4th Semester  
(Arts / Science / Commerce /  
..... ) Exam., 2017

Subject .....

Paper .....

.....

To be filled in by the Candidate

**INSTRUCTIONS TO CANDIDATES**

1. The Booklet No. of this script should be quoted in the answer script meant for descriptive type questions and vice versa.
2. This paper should be **ANSWERED FIRST** and submitted within **1 (one) Hour** of the commencement of the Examination.
3. While answering the questions of this booklet, any cutting, erasing, overwriting or furnishing more than one answer is prohibited. Any rough work, if required, should be done only on the main Answer Book. Instructions given in each question should be followed for answering that question only.

DEGREE 4th Semester

(Arts / Science / Commerce /  
..... ) Exam., 2017

Roll No. ....

Regn. No. ....

Subject .....

Paper .....

Descriptive Type

Booklet No. B .....

Signature of  
Scrutiniser(s)

Signature of  
Examiner(s)

Signature of  
Invigilator(s)

2017

( 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) 15th June ( )

(c) 15th July ( )

(d) 5th June ( )

2. Non-renewable resources are

- (a) exhaustible ( )
- (b) inexhaustible ( )
- (c) recyclable ( )
- (d) None of the above ( )

3. The term 'abiotic' means

- (a) non-living ( )
- (b) living ( )
- (c) Both (a) and (b) ( )
- (d) None of the above ( )

4. Energy flow in an ecosystem is

- (a) multidirectional ( )
- (b) bidirectional ( )
- (c) unidirectional ( )
- (d) None of the above ( )

5. Species that are confined only to a particular area, are

- (a) endemic ( )
- (b) rare ( )
- (c) endangered ( )
- (d) threatened ( )

6. The comparison of diversity between two ecosystems is called

- (a) alpha diversity ( )
- (b) beta diversity ( )
- (c) gamma diversity ( )
- (d) ecosystem diversity ( )

7. Ozone layer is destroyed by

- (a) chlorofluorocarbon ( )
- (b) carbon dioxide ( )
- (c)  $SO_2$  ( )
- (d)  $NH_3$  ( )

8. Eutrophication is related to

- (a) air pollution ( )
- (b) water pollution ( )
- (c) soil pollution ( )
- (d) noise pollution ( )

9. Sustainable development is introduced by

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

10. The most well-known leader of Chipko Movement is

- (a) Jashbhai Patel ( )
- (b) S. Bahuguna ( )
- (c) Medha Patkar ( )
- (d) B. D. Sharma ( )

( 5 )

SECTION—B

( Marks : 15 )

Write notes on the following :

3×5=15

1. Components of environment

2. Structure of ecosystem

( Marks : 15 )

3x5=15

1. Components of environment

Write notes on the following :

9. Sustainable development is defined by

(a) Norman Myers

(b) Brundtland

(c) World Bank

(d) Amrita Devi

10. The main waterways of the Ganga basin are

(a) Gomti, Ghaghara

(b) Gomti, Gomti

(c) Gomti, Gomti

(d) Gomti, Gomti

**3. Habitat loss**

4. Landslides

3. Habitat loss

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5. Carrying capacity

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