

Subject Code : EVST/IV/ALL

Booklet No. A

6231

01 MAY 2017

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

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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

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(Continued)

(3)

Or

Write notes on any two of the following : 5×2=10

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

UNIT—V

5. Write short notes on any two of the following : 5×2=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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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) SO₂ ()
- (d) NH₃ ()

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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)

3×5=15

Write notes on the following :

1. Components of environment

2. Structure of ecosystem

(Marks : 12)

Write notes on the following :

A. Components of environment

- (i) Physical environment
- (ii) Biological environment
- (iii) Chemical environment
- (iv) Social environment
- (v) Cultural environment
- (vi) Political environment
- (vii) Economic environment
- (viii) Technological environment
- (ix) Environmental quality
- (x) Environmental degradation

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3. Habitat loss

(8)

4. Landslides

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(9)

5. Carrying capacity
