

**VI/BSW/603**

**2013**

( 6th Semester )

**ENVIRONMENTAL STUDIES**

Paper : BSW-603

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 do you mean by deforestation? What are the problems caused by deforestation and how to control it? 2+8=10
2. Describe the major mineral resources of India. 10

G13—50/337a

( Turn Over )

( 2 )

UNIT—II

3. Define ecosystem. Describe food chain, food web and ecological pyramids.  $2+8=10$
4. Briefly describe the structure and functions of ecosystem. 10

UNIT—III

5. Define biodiversity. Discuss the factors affecting biodiversity.  $2+8=10$
6. Write short notes on any *two* of the following :  $5 \times 2 = 10$
- (a) Classification of biogeographical regions of India
  - (b) Concept and criteria of biodiversity hot spots
  - (c) In situ conservation of biodiversity
  - (d) Causes of loss of biodiversity

UNIT—IV

7. Define pollution. What are the causes of water pollution and how to prevent water pollution?  $2+6+2=10$

G13—50/337a

( Continued )

( 3 )

8. Write short notes on any *two* of the following :

5×2=10

- (a) Causes of air pollution
- (b) Control measures of urban or industrial waste
- (c) Earthquakes
- (d) Landslides

UNIT—V

9. What is sustainable development? Briefly describe the concept and important pillars of sustainable developments.

2+8=10

10. Write short notes on any *two* of the following :

5×2=10

- (a) Chipko Movement
- (b) Rainwater harvesting
- (c) Carrying capacity of environment
- (d) Wasteland reclamation

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**2013**

( 6th Semester )

**ENVIRONMENTAL STUDIES**

Paper : BSW-603

( 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 )

2. Autotrophic organism is called

- (a) Producer ( )
- (b) Consumer ( )
- (c) Decomposer ( )
- (d) Herbivore ( )

3. Ecosystem involves interaction between

- (a) plants and animals ( )
- (b) all living and non-living organisms ( )
- (c) plants and non-living organisms ( )
- (d) plants and animals ( )

4. To qualify as megadiversity a region have lost of its original habitat at least

- (a) 70% ( )
- (b) 65% ( )
- (c) 75% ( )
- (d) 80% ( )

5. The coverage of freshwater on the earth is
- (a) 97% ( )
  - (b) 4% ( )
  - (c) 3% ( )
  - (d) 2% ( )
6. "Meeting the needs of present without compromising the ability of future generation to meet their own needs" is given by
- (a) Norman Myer ( )
  - (b) Amrita Devi ( )
  - (c) Brundtland ( )
  - (d) UNCED ( )
7. Which of the following NGOs is associated with 'Chipko Movement'?
- (a) Dasholi Gram Swarajya Mandal ( )
  - (b) Narmada Bachao Andolan ( )
  - (c) Centre for Science and Environment ( )
  - (d) Kalpavriksh ( )

( 4 )

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)  $\text{SO}_2$  ( )
- (b)  $\text{CO}_2$  ( )
- (c)  $\text{NO}_2$  ( )
- (d) Radon gas ( )

10. Which of the following is the main responsible for ozone depletion in the stratosphere?

- (a) CFC ( )
- (b)  $\text{CH}_4$  ( )
- (c)  $\text{CO}_2$  ( )
- (d)  $\text{N}_2\text{O}$  ( )



( 5 )

SECTION—B

( Marks : 15 )

Answer the following questions :

3×5=15

1. What do you understand by population growth? What steps will be taken to control population growth?



( 6 )

2. What are the biotic and abiotic components of an ecosystem?

( 7 )

3. What are the major implications of global warming?

( 8 )

4. Explain alpha, beta and gamma patterns of biodiversity.

( 9 )

5. Briefly describe the impact of shifting cultivation in Mizoram.

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