

**EVS/IV/FC/07**

**Student's Copy**

**2018**

**(CBCS)**

**(4th Semester)**

**ENVIRONMENTAL STUDIES**

Paper : FC/EVS-IV

**( Compulsory Foundation Course )**

Full Marks : 75

Time : 3 hours

**( PART : A—OBJECTIVE )**

( Marks : 25 )

*The figures in the margin indicate full marks for the questions*

**SECTION—A**

( Marks : 10 )

Tick (✓) the correct answer in the brackets provided :

1×10=10

1. Biotic and abiotic components in the environment are  
(a) independent of each other ( )  
(b) interrelated and interdependent on each other ( )  
(c) interrelated but not interdependent with each other ( )  
(d) neither interrelated nor interdependent with each other ( )
2. The populations of different species that live in the same area and interact with one another are called  
(a) species ( )  
(b) community ( )  
(c) biomes ( )  
(d) population ( )

3. Forest and water resources are
- (a) renewable resources ( )
  - (b) non-renewable resources ( )
  - (c) exhaustible resources ( )
  - (d) None of the above ( )
4. Which of the following is not a fossil fuel?
- (a) Coal ( )
  - (b) Petroleum ( )
  - (c) Uranium ( )
  - (d) Natural gas ( )
5. Which of the following is not a site for *in-situ* method of conservation?
- (a) Biosphere Reserve ( )
  - (b) Botanical Garden ( )
  - (c) Wildlife Sanctuary ( )
  - (d) National Park ( )
6. The process of protecting an endangered plant or animal species in its natural habitat is called
- (a) *ex-situ* conservation ( )
  - (b) *in-situ* conservation ( )
  - (c) off-site conservation ( )
  - (d) genetic engineering ( )
7. The process of nutrient enrichment in water bodies is known as
- (a) biomagnification ( )
  - (b) bioaccumulation ( )
  - (c) eutrophication ( )
  - (d) esterification ( )
8. Which gas is responsible for depletion of Ozone layer around the earth which protects us from harmful ultraviolet rays?
- (a) Chlorofluorocarbons (CFCs) ( )
  - (b) Oxygen ( )
  - (c) Nitrogen ( )
  - (d) Nitrogen oxide ( )
9. The term 'sustainable development' was first used by the Brundtland Commission in the year
- (a) 1985 ( )
  - (b) 1986 ( )
  - (c) 1987 ( )
  - (d) 1988 ( )

10. The NGO involved in Silent Valley Movement was

- (a) Dasholi Gram Swarajya Sangh (DGSS) ( )  
(b) Kerala Sastra Sahitya Parishad (KSSP) ( )  
(c) Navdanya ( )  
(d) Kalpavriksh ( )

SECTION—B

( Marks : 15 )

Write short notes on the following taking **one** from each Unit :

3×5=15

UNIT—I

1. Importance of environmental studies
2. Food chain and food web

UNIT—II

3. Renewable resources
4. Non-renewable resources

UNIT—III

5. Biodiversity hot spot
6. Megadiversity

UNIT—IV

7. Effects of global warming
8. Ozone layer depletion

UNIT—V

9. Sustainable development
10. The role of NGOs in environmental development

( PART : B—DESCRIPTIVE )

( Marks : 50 )

The figures in the margin indicate full marks for the questions

1. Define environmental studies. Describe in detail the scope and multidisciplinary nature of environmental studies. 2+8=10

OR

What do you mean by ecosystem? Describe the components and structure of an ecosystem. 2+8=10

2. Define natural resources. Describe the major classification of natural resources. 2+8=10

OR

Write short notes on the following :

(a) Causes for depletion of natural resources 5+5=10

(b) Conservation measures of natural resources

3. Define biodiversity. Describe the major causes and consequences of biodiversity loss. 2+8=10

OR

Give detailed accounts on the following :

(a) Conservation of biodiversity 5+5=10

(b) Pattern and levels of biodiversity

4. What is water pollution? Explain the causes, effects and control measures of water pollution. 2+8=10

OR

Give detailed accounts on the following :

(a) Acid rain 5+5=10

(b) Sources of air pollution

5. Elucidate in detail the goals, objectives and guiding principles of environmental education. 2+8=10

OR

Give detailed accounts on the following :

(a) Chipko Movement 5+5=10

(b) Silent Valley Movement

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