



CODING

Under Graduate Examination, May 2022

Semester : 4 [CBCS]

Subject Code : EVS/IV/FC/07

Subject : Environmental Studies

Name of the Paper : Compulsory Foundation Course

Date of Examination :

No. of Answer Sheet(s) Used : \_\_\_\_\_

Full Marks : 75

Time : 3 Hours

**INSTRUCTIONS TO CANDIDATES**

Please read the instructions carefully before you start writing your answers.

1. Questions should be attempted as per instructions.
2. Candidate should clearly indicate the Question Nos. and the Page No. for each sheet.
3. Please write your Roll No. and Registration No. clearly and correctly in the space provided.
4. Do not write your name or the name of your college/institution anywhere or anything else, which is not part of your answer.
5. Candidate should make sure that the answer sheets scanned should be legible.
6. The Invigilator on duty should confirm that the correct script is received, compiled and attached to the correct Cover Page.
7. Multiple Choice Answer should indicate the Question No., Sub. No., (if any) and the correct answer. For example—

1. Name the state capital of Mizoram.  
(a) Lunglei  
(b) Champhai  
(c) Aizawl  
(d) Mamit

Candidate should provide answer as  
**1 (c) Aizawl**

**[Candidate should avoid writing only (c)]**

**SECTION-A  
(OBJECTIVE)**

Total

**SECTION-B  
(SHORT NOTE)**

Question Nos. Marks

Total

**SECTION-C  
(DESCRIPTIVE)**

Question Nos. Marks

Total

G. Total

CODING

**To be filled in by the  
Candidate**

Date of Examination

Semester : 4 [CBCS]

Subject Code  
**EVS/IV/FC/07**

Subject  
**Environmental Studies**

Roll No. \_\_\_\_\_

Regn. No. \_\_\_\_\_

No. of Additional Sheet(s) : \_\_\_\_\_

Scrutinizer's Signature

Examiner's Signature



Invigilator's Signature

/182

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( CBCS )

( 4th Semester )

**ENVIRONMENTAL STUDIES**  
**( Compulsory Foundation Course )**

*Full Marks : 75*

*Time : 3 hours*

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

**( SECTION : A—OBJECTIVE )**

( Marks : 10 )

Choose the correct answer from the options provided :

1×10=10

**1.** Environmental studies is defined as the branch that

- (a) deals with the design, study and discovery of new materials
- (b) deals with the study of humanities, social, biological and physical sciences
- (c) incorporates the information and physical sciences
- (d) deals with the approach about the natural world and the impact of humans on its integrity

**2.** Environment is the life support system that includes

- (a) air
- (b) water
- (c) land
- (d) All of the above

**3.** Primary consumer is

- (a) herbivore
- (b) carnivore
- (c) macroconsumer
- (d) omnivore

**4.** What are 'keystone' species in an ecosystem?

- (a) The species whose elimination can seriously affect the ecosystem
- (b) The species whose elimination can benefit the ecosystem
- (c) The species whose elimination would not affect the ecosystem
- (d) None of the above

**5.** Bacteria is a component of

- (a) abiotic component
- (b) biotic component
- (c) socio-cultural environment
- (d) None of the above

**6.** Forests are

- (a) renewable resources
- (b) non-renewable resources
- (c) non-utilization resources
- (d) exhaustible resources

- 7.** The release of excessive amounts of harmful substances such as car and factory fumes and tyre rubber into the atmosphere is called
- (a) noise pollution
  - (b) mutagenic pollution
  - (c) air pollution
  - (d) soil pollution
- 8.** Which of the following gases contributes to the global warming?
- (a) Calcium carbonate
  - (b) Hydrogen sulfide
  - (c) Carbon dioxide
  - (d) Sodium chloride
- 9.** Sustainable development means
- (a) meeting present needs without compromising on future needs
  - (b) balance between human and earth
  - (c) progress of human beings
  - (d) All of the above
- 10.** The Chipko Movement is started by
- (a) Sunderlal Bahuguna
  - (b) Engler
  - (c) Medha Patkar
  - (d) Amrita Devi

**( SECTION : B—SHORT NOTE )**

( Marks : 15 )

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

3×5=15

UNIT—I

1. Scope of environmental studies
2. Components of an ecosystem

UNIT—II

3. Ecological levels of organization
4. Food chain, food web and ecological pyramid

UNIT—III

5. Threats and conservation of biodiversity
6. Biodiversity hotspots

UNIT—IV

7. Biodegradable pollutants
8. Water pollution

UNIT—V

9. Rainwater harvesting
10. Role of information technology in environment and human health

**( SECTION : C—DESCRIPTIVE )**

( Marks : 50 )

Answer the following questions :

10×5=50

**UNIT—I**

- 1.** What do you understand by environmental studies? Discuss the importance and application of environmental studies. 2+4+4=10

**OR**

- 2.** What is an ecosystem? Discuss different types of ecosystem. 2+8=10

**UNIT—II**

- 3.** Discuss about the equitable use and conservation of natural resources. 5+5=10

**OR**

- 4.** Distinguish between renewable resources and non-renewable resources. 5+5=10

**UNIT—III**

- 5.** Briefly describe the levels of biodiversity and uses of biodiversity. 5+5=10

**OR**

- 6.** Explain the effect of different human activities on the extinction of species. 10

**UNIT—IV**

- 7.** Define pollution. What are the causes of air pollution? 3+7=10

**OR**

- 8.** Write short notes on the following : 5×2=10

(a) Acid rain

(b) Global warming

UNIT—V

- 9.** Define sustainable development. Describe the different pillars of sustainable development. How can we achieve sustainable management? 2+3+5=10

**OR**

- 10.** Write short notes on the following : 5+5=10
- (a) Chipko Movement
- (b) Role of NGO in environment protection

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