

(6 pages)

**Reg. No. :** .....

**Code No. : 12436 E      Sub. Code : CEVS 11**

U.G. (CBCS) DEGREE EXAMINATION,  
NOVEMBER 2021.

First Semester

Part — IV

ENVIRONMENTAL STUDIES

(For those who joined in July 2021 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer.

1. Ecosystem may be defined as —————
  - (a) A species along with environment
  - (b) Plants found in water
  - (c) Plants found on land
  - (d) Call plants and animals species along with environment

2. The pyramid of energy is always upright” states that \_\_\_\_\_
- (a) The energy conversion efficiency of herbivores is better than carnivores
  - (b) The energy conversion efficiency of carnivores is better than herbivores
  - (c) Producers have the lowest energy conversion efficiency
  - (d) Energy conversion efficiency is the same in all trophic levels
3. Soil erosion can be prevented by \_\_\_\_\_
- (a) Deforestation
  - (b) Afforestation
  - (c) Overgrazing
  - (d) Removal of vegetation
4. Which one represents regulative function of forests?
- (a) Production of wood
  - (b) Conservation of soil and water
  - (c) Production of essential oils
  - (d) Storage and release of gases

5. \_\_\_\_\_ is one of the most prevalent hotspots of biodiversity in India
- (a) Himalayas
  - (b) Western Ghats
  - (c) Ganges
  - (d) None of the above
6. \_\_\_\_\_ is the basic unit of classification and a taxonomic rank
- (a) Species
  - (b) Genus
  - (c) Class
  - (d) Order
7. A substance, which causes pollution, is known as which of the following?
- (a) Pollutant
  - (b) Carcinogen
  - (c) Polluting element
  - (d) Irritant
8. Identify the correct order of the different regions of the atmosphere.
- (a) Stratosphere<mesosphere<troposphere<thermosphere<exosphere
  - (b) Troposphere<mesosphere<stratosphere<exosphere<thermosphere
  - (c) Troposphere<stratosphere<mesosphere<thermosphere<exosphere
  - (d) Exosphere>mesosphere>thermosphere>stratosphere>troposphere

9. Which one of the following cause global warming?
- (a) Carbon dioxide      (b) Oxygen  
(c) Nitrogen              (d) Hydrogen
10. When was the Indian Board for Wildlife constituted?
- (a) 1952                      (b) 1950  
(c) 1949                      (d) 1948

PART B — (5 × 5 = 25 marks)

Answer ALL questions by choosing either  
(a) or (b).

Answer should not exceed 250 words.

11. (a) Define natural resources and its scope and importance?
- Or
- (b) Write down the role of an individual in conservation of natural resources.
12. (a) Draw the energy flow diagram in the ecosystem?

Or

- (b) Write a short note a Grassland ecosystem?

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13. (a) Explain the values of biodiversity?

Or

- (b) Write a short notes on conservation of biodiversity in India?

14. (a) Explain about Air pollution and its effects.

Or

- (b) What is flood and its causes?

15. (a) Describe in detail about Global warming.

Or

- (b) What is air pollution? Explain about prevention and control act.

PART C — ( $5 \times 8 = 40$  marks)

Answer ALL questions by choosing either  
(a) or (b).

Answer should not exceed 600 words.

16. (a) Give an account of the effects of timber extraction, mining dams on forests and tribal people.

Or

- (b) Describe in detail about equitable use of resources for sustainable lifestyle.

17. (a) Write short notes on :  
(i) Ecological pyramids  
(ii) Food chain  
Or  
(b) Explain in detailed about Forest ecosystem.
18. (a) Write about Biogeographic classification of India.  
Or  
(b) Briefly describe the Endangered and endemic species of India.
19. (a) Explain about water pollution? Explain its causes, effect and control measures.  
Or  
(b) Describe solid waste management and its types.
20. (a) What is wasteland reclamation? Write down its advantage and disadvantages.  
Or  
(b) Discuss about Population explosion?
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