

(6 pages)

Reg. No. :

Code No. : 30537 E Sub. Code : CEVS 11

U.G. (CBCS) DEGREE EXAMINATION, APRIL 2023

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. Which type of forest is most extensively distributed in India?
 - (a) Tropical Dry Evergreen Forest
 - (b) Tropical Semi Evergreen Forest
 - (c) Tropical Dry Deciduous Forest
 - (d) Himalayan Moist Temperature Forest

6. Endangered species are listed in the
 - (a) red data book
 - (b) live stock book
 - (c) dead stock book
 - (d) none of the above
7. Which of the following causes minamata disease?
 - (a) lead (b) magnesium
 - (c) mercury (d) methyl chloride
8. What is the main substance related to thermal pollution?
 - (a) Hydrogen dioxide (H₂O)
 - (b) Carbon dioxide (CO₂)
 - (c) Hydrogen peroxide (H₂O₂)
 - (d) Carbon monoxide (CO)
9. The environment protection Act was passed in
 - (a) 1984 (b) 1980
 - (c) 1986 (d) 1981
10. Which of these is an impact of acid rain?
 - (a) Dissolves nutrients in the soil
 - (b) Raises oxygen levels
 - (c) Gives off chemical
 - (d) Reduces the amount of coal used

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2. Energy is released from fossil fuels when they are
 - (a) Pumped (b) Burned
 - (c) Cooled (d) Pressurized
3. In grassland area how much amount of rainfall is required
 - (a) low rainfall
 - (b) high rainfall
 - (c) moderate rainfall
 - (d) they don't require any rainfall
4. When food energy passes from herbivores to carnivores?
 - (a) Some energy is increased
 - (b) Some energy is decreased
 - (c) Remain unchanged
 - (d) Not relevant
5. A keystone species is one that
 - (a) is vulnerable to extinction
 - (b) is with restricted geographic distribution
 - (c) strongly influence the structure and function of an ecological community
 - (d) all of these

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PART B — (5 × 5 = 25 marks)

Answer ALL questions choosing either (a) or (b).
Each answer should not exceed 250 words.

11. (a) Explain the importance of the watersheds management.
Or
(b) Give a briefly an account on the impact of the deforestation.
12. (a) Write about the forest ecosystem.
Or
(b) Write the difference between food chain and food web.
13. (a) Write the name of the any two endangered and endemic species in India.
Or
(b) What are biodiversity and its conservation?
14. (a) Enlist various sources of air pollutants.
Or
(b) What are the consequences of the marine water pollution?

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15. (a) Write note on global warming.

Or

(b) What are the main goals of Forest Conservation Act 1980?

PART C — (5 × 8 = 40 marks)

Answer ALL questions choosing either (a) or (b).
Each answer should not exceed 600 words.

16. (a) Explain renewable and nonrenewable sources of energy.

Or

(b) Discover the food resources. Write notes on world food problem.

17. (a) Write detailed account on aquatic ecosystem.

Or

(b) Describe the structure and components of grassland ecosystem.

18. (a) Explain Hotspot biodiversity and conservation.

Or

(b) Differentiate between in-situ and ex-situ conservation of bio-diversity.

19. (a) What do you mean by water pollution? What are the main forms of water pollutants?

Or

(b) Define soil pollution and discuss the various source of soil pollution.

20. (a) Write about the :

(i) Acid rain

(ii) Ozone depletion.

Or

(b) Explain population explosion. Discuss various reasons for over population.