

(6 pages)

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Code No. : 7289

Sub. Code : ZESM 43

M.A. (CBCS) DEGREE EXAMINATION,  
APRIL 2024

Fourth Semester

Economics – Core

ENVIRONMENTAL ECONOMICS

(For those who joined in July 2021-2022)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Which of the following is the main reason for producing the atmospheric greenhouse effect?
  - (a) Absorption and re-emission of ultraviolet radiations by the atmosphere
  - (b) Absorption and re-emission of infrared radiations by the atmosphere
  - (c) Absorption and re-emission of visible light by the atmosphere
  - (d) None of the above

2. The salinization can be defined as
  - (a) Accumulation of salts in the body
  - (b) Accumulation of salts in water
  - (c) Accumulation of salts in animals
  - (d) Accumulation of salts in the soil
3. The main reason for blueness of the sky is -
  - (a) Due to the presence of water vapor
  - (b) Due to the absorption of blue light due to the air
  - (c) Due to the scattering of sunlight by air molecules
  - (d) None of the above
4. Which of the following is the cause of soil pollution?
  - (a) Ozone
  - (b) Aerosol
  - (c) Acid rain
  - (d) None of the above
5. What is the water vapor?
  - (a) It is the gaseous phase of water
  - (b) It is a rain droplet
  - (c) Water vapor is the cloud droplet
  - (d) None of the above

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6. Which of the following statements is correct?
- (a) Tides are a conventional source of energy
  - (b) Sun is a conventional source of energy
  - (c) Wind is a conventional source of energy
  - (d) Dried dung is a conventional source of energy
7. A transaction involving negative externality, how many parties are involved?
- (a) One
  - (b) Two
  - (c) Three
  - (d) None
8. Which one is not considered a third party in regards to negative externality?
- (a) Producers
  - (b) Individuals
  - (c) Groups
  - (d) Property owners
9. Which of the following is NOT considered a negative externality?
- (a) Air pollution
  - (b) Loud music
  - (c) Land developing
  - (d) Going to school

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10. Which of the following actions is an example of reusing water?
- (a) Using grey water to water a lawn or flush a toilet
  - (b) Changing out the toilet for a toilet that uses less water to flush
  - (c) Only watering the lawn once a week
  - (d) Turning off the water while brushing your teeth

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Write the relationship between Economics and Environment.

Or

- (b) What do you mean by resources?

12. (a) Recall the social welfare function.

Or

- (b) Short note on market failure.

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13. (a) Summarize the conservation of resources.

Or

- (b) Explain Economics of Forestry.

14. (a) What is defensive cost?

Or

- (b) State the contingent valuation method.

15. (a) Enumerate the limitations of Coase theorem.

Or

- (b) Describe the problem of environmental pollution.

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Illustrate and explain Material Balance Model.

Or

- (b) Determine the classifications of resources.

17. (a) Explain the optimal allocation and a market Economy.

Or

- (b) Discuss the Externality and Economic efficiency.

18. (a) Illustrate the socially optimal resource harvesting.

Or

- (b) Describe dynamics of resource harvesting.

19. (a) Explain direct method of environmental valuation.

Or

- (b) Enumerate the revealed preference methods.

20. (a) Justify the sustainable Economic development goals.

Or

- (b) Explain the international environmental pollution problems.

