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( CBCS )

( 6th Semester )

**ECONOMICS**

NINTH PAPER

**( Environmental Economics )**

*Full Marks : 75*

*Time : 3 hours*

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

**( SECTION : A—OBJECTIVE )**

( Marks : 10 )

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

1×10=10

1. Market failure is caused by

- (a) open-accessibility ( )
- (b) Pareto optimality ( )
- (c) individual participation ( )
- (d) externalities ( )

2. What does the term 'tragedy of commons' mean?

- (a) Individual acting in self-interest and not caring for the public good when dealing with common resources like environment, spaces, etc. ( )
- (b) Public goods used by the few rich and privileged ( )
- (c) Damage due to disasters ( )
- (d) The destruction of a human habitat ( )

3. The environmental Kuznets' curve is

- (a) U-shaped ( )
- (b) an inverted U-shaped ( )
- (c) an inverted L-shaped ( )
- (d) a downward-sloping straight line ( )

4. Absolute poverty means poverty in terms of

- (a) the absolute level of unemployment ( )
- (b) the absolute number of people ( )
- (c) the basic minimum calorie requirements ( )
- (d) All of the above ( )

5. Which of the following is the direct method of environmental valuation?

- (a) Travel Cost Method (TCM) ( )
- (b) Hedonic Price Theory (HPT) ( )
- (c) Contingent Valuation Method (CVM) ( )
- (d) Property Value Method ( )

6. Which of the following is not among the UN Millennium Development Goals?

- (a) To eliminate extreme poverty and hunger ( )
- (b) To promote environmental sustainability ( )
- (c) To promote maternal health ( )
- (d) To increase sex ratio ( )

**7.** The Central Pollution Control Board was established in

- (a) June 1972 ( )
- (b) March 1973 ( )
- (c) September 1974 ( )
- (d) December 1975 ( )

**8.** The National Van Mahotsava Movement attempted to make the nation

- (a) tree conscious ( )
- (b) water conscious ( )
- (c) wildlife conscious ( )
- (d) air conscious ( )

**9.** The Rio Declaration consists of

- (a) 26 principles ( )
- (b) 27 principles ( )
- (c) 28 principles ( )
- (d) 29 principles ( )

**10.** In 1992, the United Nation's Conference on Environment and Development (UNCED), also known as the 'Earth Summit', was held in

- (a) Kyoto ( )
- (b) Geneva ( )
- (c) Rio de Janeiro ( )
- (d) Washington, DC ( )

**( SECTION : B—SHORT ANSWER )**

( Marks : 15 )

Write short notes on the following :

3×5=15

UNIT—I

1. Common Property Resources

**OR**

2. Problem of externalities

UNIT—II

3. Effects of environment degradation

**OR**

4. Stages of demographic transition

UNIT—III

5. Environmental impact assessment

**OR**

6. Direct methods of environmental valuation

UNIT—IV

7. Optimal level of pollution

**OR**

8. The Forest Conservation Act, 1980

UNIT—V

9. Concept of energy security

**OR**

10. Kyoto Protocol

( SECTION : C—DESCRIPTIVE )

( Marks : 50 )

Answer the following :

10×5=50

UNIT—I

1. Discuss the linkages between the economy and the environment. 10

**OR**

2. Define economic efficiency. Discuss the various causes of market failure in environmental goods. 2+8=10

UNIT—II

3. Discuss how economic development is related to environmental degradation with the help of Kuznets' curve. 10

**OR**

4. What do you understand by the term 'environmental degradation'? Briefly explain the causes and effects of environmental degradation. 3+7=10

UNIT—III

5. Explain the different stages of environment impact assessment. 10

**OR**

6. Define sustainable development. Discuss the indicators of sustainable development. 2+8=10

UNIT—IV

7. Examine the Water (Prevention and Control of Pollution) Act, 1974. 10

**OR**

8. What is soil degradation? Discuss the causes and effects of soil degradation. 2+8=10

UNIT—V

9. Discuss the Rio Declaration on climate change. 10

**OR**

10. What is Polluter Pay Principle? Explain the difficulties of implementing the Polluter Pay Principle. 2+8=10

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