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( CBCS )

( 6th Semester )

**ECONOMICS**

NINTH PAPER

**( Environmental Economics )**

*Full Marks : 75*

*Time : 3 hours*

**( PART : A—OBJECTIVE )**

( *Marks : 25* )

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

SECTION—A

( *Marks : 10* )

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

1×10=10

1. The other name for an open access property is

- (a) climate change ( )
- (b) tragedy of the commons ( )
- (c) resource management ( )

2. Market failures lead to

- (a) externalities ( )
- (b) economic efficiency ( )
- (c) economic growth ( )

3. World Environment Day is observed on  
(a) 15th May ( )  
(b) 5th June ( )  
(c) 10th July ( )
4. The environmental Kuznets's curve takes the shape of  
(a) a downward sloping straight line ( )  
(b) U-shaped ( )  
(c) an inverted U-shaped ( )
5. For the first time in India, the Union Ministry of Environment and Forest promulgated an EIA notification on  
(a) 15 August, 1990 ( )  
(b) 27 January, 1994 ( )  
(c) 28 January, 1996 ( )
6. Which of the following is a direct method of environmental valuation?  
(a) Contingent Valuation Method (CVM) ( )  
(b) Travel Cost Method (TCM) ( )  
(c) Hedonic Price Theory (HPT) ( )
7. The Central Pollution Control Board was constituted in  
(a) September 1974 ( )  
(b) February 1975 ( )  
(c) August 1986 ( )
8. The first major Environmental Protection Act to be promulgated in India was  
(a) the Water Act ( )  
(b) the Forest Conservation Act ( )  
(c) the Environmental Act ( )
9. Which International Agreement/Treaty is related to reduction in emission of greenhouse gas?  
(a) Bonn Agreement ( )  
(b) Kyoto Protocol ( )  
(c) Comprehensive Test Ban Treaty (CTBT) ( )

10. Which gas is mainly responsible for global warming?

- (a) Hydrogen ( )
- (b) Neon ( )
- (c) Carbon dioxide ( )

SECTION—B

( Marks : 15 )

Write short notes on the following :

3×5=15

1. Common Property Resources

**OR**

Tragedy of Commons

2. Causes of Environment Degradation

**OR**

Impact of Poverty on Environment

3. Direct and Indirect Methods of Environmental Valuation

**OR**

UN Millennium Development Goals

4. State Pollution Control Board (SPCB)

**OR**

Water Pollution

5. Kyoto Protocol

**OR**

Polluter Pays Principle (PPP)

**( PART : B—DESCRIPTIVE )**

( Marks : 50 )

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

1. (a) Give a brief account of the linkages between environment and economy. 10

**OR**

- (b) Define market failure. What are the causes of market failure in environmental economics? 2+8=10

2. (a) Explain the relationship between economic development and environment with the help of Kuznets's curve. 10

**OR**

- (b) Discuss the theory of demographic transition. 10

3. (a) Highlight the meaning and indicators of sustainable development. 10

**OR**

- (b) What is an Environmental Impact Assessment (EIA)? State and explain the different stages of an environmental impact assessment. 2+8=10

4. (a) What is meant by pollution? Explain briefly different policy instruments employed to prevent and control pollution in India. 3+7=10

**OR**

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

5. (a) What are the implications of climate change? Suggest measures to mitigate climate change. 5+5=10

**OR**

- (b) Discuss the Rio Declaration on climate change. 10

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