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(NEP—2020)

(3rd Semester)

ECONOMICS (MAJOR)

(**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. What does the term 'tragedy of commons' mean?

- (a) Property damages due to war ()
- (b) Damages due to disasters ()
- (c) Individuals act in self-interest and do not care for the public goods ()
- (d) Public goods used by rich people ()

2. Coase theorem was introduced by

- (a) Ronald Coase ()
- (b) J. M. Keynes ()
- (c) Samuel Coase ()
- (d) Ricardo ()

3. Market failures lead to

- (a) externalities ()
- (b) economic development ()
- (c) economic growth ()
- (d) economic inefficiency ()

4. The Environmental Kuznets Curve takes the shape of

- (a) a downward sloping straight line ()
- (b) an inverted U-shape ()
- (c) U-shape ()
- (d) an upward sloping curve ()

5. The World Bank's International Poverty Line in PPP is currently

- (a) \$ 1 per person per day ()
- (b) \$ 1.50 per person per day ()
- (c) \$ 3.00 per person per day ()
- (d) \$ 2 per person per day ()

6. The Water (Prevention and Control of Pollution) Act was enacted in

- (a) 1986 ()
- (b) 1974 ()
- (c) 1984 ()
- (d) 1975 ()

7. The Central Pollution Control Board was established in

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

8. Deforestation causes

- (a) pollution ()
- (b) respiratory problem ()
- (c) drought ()
- (d) soil erosion ()

9. What is the main objective of Polluter Pays Principle?

- (a) To create awareness globally about deforestation ()
- (b) To make the party responsible for producing pollution and pay for the damage ()
- (c) To establish international law to check water system ()
- (d) All of the above ()

10. Which International Agreement/Treaty is related to reduction in emission of greenhouse gas?

- (a) Kyoto Protocol ()
- (b) Bonn Agreement ()
- (c) Comprehensive Nuclear-Test-Ban Treaty (CTBT) ()
- (d) Rio Convention ()

(SECTION : B—SHORT ANSWERS)

(Marks : 15)

Write short notes on *five* of the following, taking at least *one* from each Unit : 3×5=15

UNIT—I

- 1. Common Property Resources**
- 2. Negative and Positive Externalities**

UNIT—II

- 3. Sustainable Development Goals**
- 4. Poverty and Environment**

UNIT—III

5. Noise Pollution
6. Water Pollution

UNIT—IV

7. Kyoto Protocol
8. Concept of Energy Security

(SECTION : C—DESCRIPTIVE)

(Marks : 50)

Answer *five* questions, taking at least *one* from each Unit :

10×5=50

UNIT—I

1. Define market failure. What are the various causes of market failure?
Suggest the measures to solve the problem of market failure. 2+4+4=10
2. Discuss the linkages between Economy and Environment. 10

UNIT—II

3. Explain the relationship between Environment and Development. 10
4. What is Environmental Impact Assessment? State and explain the different stages of an environmental impact assessment. 3+7=10

UNIT—III

5. What is soil degradation? Discuss the causes and effects of soil degradation. 3+7=10
6. Examine the Forest Conservation Act, 1980. 10

UNIT—IV

7. What is a greenhouse effect? Explain briefly the effects of ozone layer depletion. 3+7=10
8. Discuss the Rio Declaration on climate change. 10
