

2025

(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. A good is rival if

- (a) consumption by one person does diminish the quantity of consumption by others ()
- (b) consumption by one person does not diminish the quantity of consumption by others ()
- (c) it is difficult to prevent consumption by those who do not pay for the good ()
- (d) it is easy to prevent consumption by those who do not pay for the good ()

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

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

3. Absolute poverty in India takes into account

- (a) human development index ()
- (b) gross enrolment ratio ()
- (c) poverty line set by the government ()
- (d) poverty in term of unemployment ()

4. The optimum level of environment quality can be obtained when

- (a) total benefit > total cost ()
- (b) total benefit < total cost ()
- (c) total benefit = total cost ()
- (d) None of the above ()

5. The Environment Protection Act came into force on 19th November, 1986, on the birth anniversary of

(a) Mahatma Gandhi ()

(b) Rahul Gandhi ()

(c) Indira Gandhi ()

(d) Lal Bahadur Shastri ()

6. The three pillars of sustainable development are

(a) cultural, environmental and equality ()

(b) economic, environmental and equality ()

(c) economic, environmental and cultural ()

(d) environmental, economic and social ()

7. The Forest (Conservation) Act of 1980 extends to the whole of India, *except*

(a) Himachal Pradesh ()

(b) Jammu and Kashmir ()

(c) Karnataka ()

(d) Uttar Pradesh ()

8. The Central Pollution Control Board was established in

(a) January, 1974 ()

(b) March, 1974 ()

(c) September, 1974 ()

(d) October, 1974 ()

9. Which International Agreement/Treaty is related to a reduction in the emission of greenhouse gases?

(a) Bonn Agreement ()

(b) Kyoto Protocol ()

(c) Paris Agreement ()

(d) Rio Declaration ()

10. UNFCCC stands for

(a) United Nations Federation Convention on Climate Change ()

(b) United Nations Federation Council on Climate Change ()

(c) United Nations Framework Convention on Climate Change ()

(d) United Nations Framework Council on Climate Change ()

(SECTION : B—SHORT ANSWERS)

(Marks : 15)

Write short notes on the following :

3×5=15

UNIT—I

1. Common property resources

OR

2. Negative and positive externalities

UNIT—II

3. Poverty and environment linkages

OR

4. Stages of demographic transition

UNIT—III

5. Sustainable development

OR

6. Contingent valuation method of environmental valuation

UNIT—IV

7. Optimal level of pollution

OR

8. Air pollution

UNIT—V

9. Polluter Pays Principle

OR

10. Concept of energy security

(SECTION : C—DESCRIPTIVE)

(Marks : 50)

Answer the following :

10×5=50

UNIT—I

1. Define market failure. What are the various causes of market failure?
Suggest measures to solve the problems of market failure. 2+4+4=10

OR

2. What is a public good? Give a brief account of the environment as a public good. 2+8=10

UNIT—II

3. Describe briefly, with the help of a diagram, the 'Environmental Kuznets Curve'. 10

OR

4. Define environmental degradation. Explain the causes and effects of environmental degradation. 2+8=10

UNIT—III

5. Elucidate the UN Millennium Development Goals. 10

OR

6. What is an Environmental Impact Assessment? State and explain the various stages of the Environmental Impact Assessment. 3+7=10

UNIT—IV

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

OR

8. What is soil degradation? Explain the causes, effects and control measures of soil degradation. 2+8=10

UNIT—V

9. Discuss the Rio Declaration on climate change.

10

OR

10. Define climate change. State the various implications and mitigations of climate change.

2+8=10
