6 SEM TDC DSE ECO (CBCS) 2 (H)

2 0 2 3

(May/June)

ECONOMICS

(Discipline Specific Elective)

(For Honours)

Paper : DSE–2

(Environmental Economics)

Full Marks : 80

Pass Marks : 32

Time : 3 hours

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

1. Choose the correct answer/Answer the following :   1×8=8

    (a) Which of the following is not an example of common property resource?

    (i) Village pastures

    (ii) Community forests

    (iii) Wasteland

    (iv) Fruit orchards

(2)

(b) Which of the following creates a negative production externality?

   (i) Noisy parties

   (ii) Fertilizer runoff from farms that pollutes a nearby river

   (iii) Smoking

   (iv) All of the above

(c) The tragedy of the commons is the absence of incentives to

   (i) discover new common resources

   (ii) prevent overuse of common resources

   (iii) prevent underuse of common resources

   (iv) reduce marginal cost of common resources

(d) What is the full form of IPCC?

(e) Sustainable development can be thought of in three spheres, i.e.,

   (i) environment, economy and society

   (ii) environment, economy and equity

   (iii) environment, ecology and society

   (iv) environment, economy and ecology

(3)

(f) According to the Sustainable Development Goal 13, the biggest threat towards development is

   (i) climate change

   (ii) pollution

   (iii) melting polar ice caps

   (iv) ozone layer depletion

(g) Which of the following pairs of gases is mainly responsible for greenhouse effect?

   (i) Ozone and carbon monoxide

   (ii) Nitrogen and sulphur dioxide

   (iii) Carbon dioxide and methane

   (iv) Oxygen and nitrogen

(h) Draw the environmental Kuznets curve.

2. Write short notes on any *four* of the following :

                      4×4=16

(a) Difference between public and private goods

(b) Subject-matter of Environmental Economics

(c) Pearce-Atkinson indicator

(d) Ozone layer depletion

(e) Definition and types of nonmarket values

3. (a) Explain the interlinkages between Ecology-Environment and Economy. 12

Or

(b) Define common property resources. What are its important features? Explain with an example, the concept of 'Tragedy of the Commons' which is related to common property resources.

2+4+6=12

4. (a) What do you mean by market failure? Explain the various causes of market failure. 2+9=11

Or

(b) "Proper assignment of property rights to any goodwill allow bargaining between the affected parties such that an efficient solution can be obtained." Explain the statement with suitable example. 11

5. (a) Pigouvian taxes and tradable permits encourage the polluters to emit efficiently. Is it true? If true, then justify your answer. 11

Or

(b) Explain the concept of sustainable development. How do we measure sustainability? 5+6=11

(Continued)

6. (a) Explain the various international agreements and conferences related to the global concern for environmental protection and sustainable development. 11

Or

(b) Explain briefly pollution haven hypothesis. How is it related to international trade and environment? 6+5=11

7. (a) Explain the various methods of valuation of environmental goods. 11

Or

(b) You are given an assignment to value Kaziranga National Park. Which method of valuation would you like to choose and why? What are its limitations? 6+5=11

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