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6 SEM TDC ECO M 2

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(May)

ECONOMICS

(Major)

Course : 602

(Environmental Economics)

Full Marks : 80

Pass Marks : 32

Time : 3 hours

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

1. Answer the following as directed : 1×8=8

(a) Mention one similarity between ecology and environment.

(b) Recovery, recycle and reuse of residuals is a part of

(i) two-sector model

(ii) three-sector model

(iii) materials balance model

(iv) None of the above

(Choose the correct answer)

- (c) Environmental quality is a
- (i) public good
 - (ii) private good
 - (iii) common property resource
 - (iv) None of the above
- (Choose the correct answer)
- (d) The idea of granting property rights to address environmental pollution was propounded by —.
- (Fill in the blank)
- (e) Marginal Private Cost (MPC) + — = Marginal Social Cost (MSC).
- (Fill in the blank)
- (f) Mention two market-based instruments used to solve environmental problems.
- (g) Give two examples of local pollution.
- (h) The recently concluded 2015 United Nations Conference on climate change was held in —.
- (Fill in the blank)

2. Write short notes on any *four* of the following (within 150 words each) : 4×4=16

- (a) Objectives of environmental economics
- (b) Coase theorem
- (c) Carbon trading
- (d) Strong and weak sustainability
- (e) Global environmental problems

Answer the following questions (within 500 words each) :

3. (a) What are externalities? Give three examples each of positive and negative externality. How can externalities be internalized through government intervention? 2+3+6=11

Or

- (b) What are Common Property Resources (CPRs)? How are CPRs endangered due to economic activities? 7+4=11

4. (a) Discuss the critical relationship between environment and development. What are the linkages between economy and environment? 5+6=11

Or

- (b) Explain environment as an economic and social asset. How can economic activities cause depletion of natural capital? 8+3=11

5. (a) "In solving environmental problems the command and control approach is more effective than the market-based instruments." Explain. 12

Or

- (b) Explain the concepts of—
- (i) emission fee;
 - (ii) environmental standard;
 - (iii) tradeable pollution permit. $4+4+4=12$

6. (a) Write the meaning of sustainable development. How does loss of biodiversity affect sustainable development adversely? Explain. $4+7=11$

Or

- (b) Discuss the process of conducting Environmental Impact Assessment (EIA). What are the limitations of EIA? $8+3=11$

7. (a) What is deforestation? Give a brief account of deforestation in Assam. How does deforestation adversely impact sustainable development? $3+3+5=11$

Or

- (b) Explain the following : $5+6=11$
- (i) Solid Waste Management (SWM)
 - (ii) Watershed Management
