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**6 SEM TDC ECO M 2**

**2 0 1 7**

( May )

**ECONOMICS**

( Major )

Course : 602

**( Environmental Economics )**

*Full Marks : 80*

*Pass Marks : 32/24*

*Time : 3 hours*

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

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

(a) Anthropogenic pollutants are those that are

(i) nature-induced

(ii) human-induced

(iii) both nature- and human-induced

(iv) None of the above

- (b) Marginal External Cost is
- (i)  $MSC - MPC$
  - (ii)  $MSC + MPC$
  - (iii)  $MSC + MSB$
  - (iv)  $MPB - MPC$
- (c) Give one example of common property resource (CPR).
- (d) Command and control approach/ market-based approach is mostly used in solving the environmental problems of developing countries.
- (e) Sustainable development means the taking care of the development needs of
- (i) present generation
  - (ii) past generation
  - (iii) future generation
  - (iv) both present and future generation
- (f) Give two examples of non-renewable resources.
- (g) Major components of watershed management program include
- (i) soil conservation
  - (ii) water conservation
  - (iii) land improvement
  - (iv) All of the above
- (h) Name one naturally generated greenhouse gas.

2. Write notes on any *four* of the following (within 150 words each) :  $4 \times 4 = 16$
- (a) Environment as an economic asset
  - (b) Positive and negative externality
  - (c) Carbon trading
  - (d) Sustainable development
  - (e) Watershed management

Answer the following questions (within 500 words each) :

3. (a) Illustrate with the help of material balance model, the interdependence between economy and environment. 11

Or

- (b) Define environmental economics. What are its objectives? Explain the relationship between resource economics and environmental economics.  $2+4+5=11$

4. (a) What do you mean by market failure? What are the causes of market failure? Why does market fail for environmental quality?  $2+3+6=11$

Or

- (b) What are public goods? What are the characteristics of public goods? Do you consider environmental quality as public good?  $2+4+5=11$

5. (a) Explain critically different market-based instruments for pollution control. 11

Or

- (b) What is command and control approach in solving environmental problems? What are the advantages and disadvantages of this method? 6+5=11

6. (a) Define strong and weak sustainability. What are the indicators of sustainable development? 4+7=11

Or

- (b) What is Environmental Impact Assessment (EIA)? Discuss the relevance of EIA in the context of sustainability. 7+4=11

7. (a) What are the major environmental problems of developed and developing countries? Discuss the environmental policy choices for the developing countries. 6+6=12

Or

- (b) What are the major environmental issues of Assam? Discuss the policy options to resolve these issues. 6+6=12

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