

Total No. of Printed Pages—4

6 SEM TDC ECO M 2

2017

(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

(Turn Over)

- (b) Marginal External Cost is
- MSC - MPC
 - MSC + MPC
 - MSC + MSB
 - 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
- present generation
 - past generation
 - future generation
 - both present and future generation
- (f) Give two examples of non-renewable resources.
- (g) Major components of watershed management program include
- soil conservation
 - water conservation
 - land improvement
 - All of the above
- (h) Name one naturally generated greenhouse gas.

2. Write notes on any four of the following (within 150 words each) : $4 \times 4 = 16$
- Environment as an economic asset
 - Positive and negative externality
 - Carbon trading
 - Sustainable development
 - 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? $2+4+5=11$

(Turn Over)

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

★ ★ ★