

**2 0 1 5**

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

(a) Mention one difference between  
resource economics and environmental  
economics.

(b) The study of interdependencies between  
living organisms and their environment  
is called

(i) environmental economics

(ii) ecosystem

(iii) ecology

(iv) All of the above

(c) The maximum amount of a pollutant that is permitted to be discharged from a single polluting source over a specified period of time is called

- (i) effluent charge
- (ii) emission standard
- (iii) entropy law
- (iv) EIA

(d) Converting solid wastes into new products by using the resources contained in discarded materials is called

- (i) renewable resource
- (ii) recycling
- (iii) refuse
- (iv) All of the above

(e) Which of the following is not correctly matched?

- (i) EIA : Environmental Impact Assessment
- (ii) EMS : Environment Management System
- (iii) CPR : Community Property Resources
- (iv) IPCC : Intergovernmental Panel on Climate Change

(f) Which of the following is not correctly matched?

- (i) National pollution : Climate change
- (ii) Global pollution : Ozone depletion
- (iii) Regional pollution : Acid rain
- (iv) Local pollution : Smog

P15-4000/505

( Continue P15-4000/505

(g) What is carbon trading?

(h) Mention one remedy for loss of biodiversity in Assam.

2. Write short notes on any four of the following (within 150 words each) :

4×4=16

- (a) Environment and economic development
- (b) Environmental pollution as negative externality
- (c) Environmental standard
- (d) Indicators of sustainable development
- (e) Global warming

Write the answers of the following (within 500 words each) :

3. (a) Write the meaning of ecology, environment and economy. Explain the objectives of environmental economics.

6+5=11

Or

(b) Illustrate, with the help of materials balance model, the interdependence between economy and the environment. 11

4. (a) Mention any four characteristics of public goods. Discuss environmental quality as a public good. 4+7=11

Or

(b) Discuss Coase theorem with suitable examples. Mention its limitations. 8+3=11

( Turn Over )



5. (a) Explain the command and control measures of pollution control. Do you think that command and control approach is more efficient than market-based approach in less-developed countries? Give justifications.

Or

- (b) Critically discuss different market-based methods of pollution control.

6. (a) Critically discuss different concepts of sustainable development.

Or

- (b) Explain the meaning of strong and weak sustainability. Do you think that there are conflicts between economic growth and sustainable development? Give reasons for your answer.

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

Or

- (b) Give a brief account of the global environmental problems. Discuss the ways to resolve these problems.

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