

2015

ECONOMICS

( Major )

Paper : 5.3

( Introduction to Environmental Economics )

Full Marks : 60

Time : 3 hours

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

1. Answer the following questions : 1×7=7
- (a) Define environmental economics.
  - (b) What do you mean by rivalry?
  - (c) Is environment a pure public good?
  - (d) What is free-rider problem?
  - (e) What is the most significant greenhouse gas in quantitative terms?
  - (f) "Pollution is a negative externality." Write whether the statement is true or false.
  - (g) Give one example of environmental problems of global concern.

2. Answer the following questions : 2×4=8

- (a) Explain the term 'negative externality'.
- (b) What is tradable permit?
- (c) Mention the scope of environmental economics.
- (d) Give any two effects of environmental degradation.

3. Answer any *three* of the following questions : 5×3=15

- (a) Distinguish between public goods and private goods.
- (b) Discuss environmental Kuznets' curve.
- (c) "Pollution tax is an efficient means of pollution control." Do you agree? Give reasons.
- (d) What is transboundary pollution? Explain.
- (e) What do you mean by ozone layer depletion? Explain.

4. Answer any *three* of the following questions :  
10×3=30

(a) Explain the interlinkages between the economy and the environment. 10

(b) What is tragedy of commons? Explain the concept with suitable example. 3+7=10

(c) What is market failure in the context of environmental goods? How can the problem of market failure be resolved? 3+7=10

(d) Explain the different tools for pollution control. Discuss their relative merits and demerits. 6+4=10

(e) Explain climate change as a global environmental issue. What are the main causes of climate change? 5+5=10

(f) Explain the case of positive externality. How can it be internalized? 5+5=10

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