62

6 SEM TDC ECO M 2

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(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. Choose the correct answer/Fill in the blank
   from the following :   1×8=8

   (a) _____ is an example of local pollution.

      (i) Acid rain

      (ii) Smog

      (iii) Enhanced greenhouse gas effect

      (iv) Ozone layer depletion

(*Turn Over*)

(b) The material balance model illustrates

   (i) the circular flow of activity among firms, households and government

   (ii) the circular flow of economic activity and nature

   (iii) the circular flow of income between firm and household sector

   (iv) None of the above

(c) In case of positive externality, external effect generates

   (i) cost to third party

   (ii) benefit to third party

   (iii) both cost and benefit to third party

   (iv) None of the above

(d) 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) liability

(e) Sustainable development ensures steady supply of resources for the

   (i) present generation

   (ii) future generation

   (iii) both the present and future generation

   (iv) None of the above

(f) Kyoto protocol is associated with

   (i) reduction of greenhouse gas

   (ii) carbon trading

   (iii) Both (i) and (ii)

   (iv) Neither (i) nor (ii)

(g) The compound responsible for causing ozone layer depletion is

   (i) CO_2

   (ii) methane (CH_4)

   (iii) nitrous oxide (NO)

   (iv) CFCs

(h) Existence of a number of different kinds of animals and plants which together make a healthy environment is called
———.

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

(a) Environment and development

(b) Common property resources

(c) Carbon trading

(d) Environmental impact assessment (EIA)

(e) Solid waste management in Assam

Answer the following questions (**within 500 words** each) :

3. (a) Define environmental economics. Illustrate with examples, the environment as economic and social assets. 2+5+5=12

Or

(b) What are renewable and non-renewable sources of energy? What are the difficulties in adopting renewable resources as forms of energy in developing countries? 6+6=12

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 the characteristics of public goods? Is it possible to achieve optimal provision in case of public goods? Explain. 5+6=11

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

Or

(b) Explain critically different market-based instruments for the control of pollution. 11

6. (a) What is sustainability? Explain the meaning of strong and weak sustainability. Do you think there is a conflict between economic growth and sustainable development? 2+5+4=11

Or

(b) What is sustainable development? Explain the indicators of sustainable development. 3+8=11

7. *(a)* What is deforestation? What are the causes and consequences of deforestation? Give a brief account of deforestation in Assam. 2+5+4=11

Or

(b) What are the major environmental problems of developed and developing countries? Discuss the environmental policy choices for the developing countries. 5+6=11

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