



K15P 0011

Reg. No. : Bupian E1001

Name : Apel S

Third Sem. M.A./M.Sc./M.Com. Degree (Reg./Sup./Imp.) Examination,
November 2015

Economics/App. Economics/Dev. Eco. (2014 Admn.)

ECO 3C12 : ENVIRONMENTAL ECONOMICS

Time : 3 Hours

Max. Weightage : 60

PART - A

Answer **all** questions (**Each** question carries **half** mark) :

1. The name associated with the theory of "Tragedy of Commons" is
 - a) Daly
 - b) Robert M Solow
 - c) Garret Hardin
 - d) Amartya Sen
2. An example of renewable energy resource is
 - a) Coal
 - b) Solar
 - c) Petrol
 - d) None of these
3. Which of the following is NOT a basic feature of an environmental good
 - a) Affordability
 - b) Uncertainty
 - c) Irreversibility
 - d) Uniqueness
4. Which is a source of CO₂ emission among the following
 - a) Refrigeration
 - b) Fossil combustion
 - c) Microwave oven
 - d) Air conditioner
5. The negotiations for Kyoto protocol were completed in the year
 - a) 1997
 - b) 2007
 - c) 1987
 - d) 1977



6. The Safe Minimum Standard approach was first proposed by
 - a) Garret Hardin
 - b) AC Pigou
 - c) Edwin Mill
 - d) Ciriacy Wantrup

7. The first layer above the surface of earth is
 - a) Stratosphere
 - b) Troposphere
 - c) Exosphere
 - d) Thermosphere

8. Pigovian tax is an example of
 - a) Pollution tax
 - b) Carbon tax
 - c) Both a) and b)
 - d) None of these

(8×½=4)

PART – B (Very short answers)

Answer any **eight** questions. (Each question carries **2** marks. No answer should exceed **one** page).

9. Define Biodiversity.
10. What is Carbon Tax ?
11. What is Climate Change ?
12. Rain water harvesting.
13. Montreal Protocol.
14. Renewable and non renewable resources.
15. Explain the basic idea of material balance model.
16. What is Environmental Economics ?
17. Command and Control method of abatement of environmental externality.
18. What are the important Green House Gases ?
19. Ozone depletion.

(8×2=16)

PART – C (Short answers)

Answer **any four** questions. (Each question carries **5** marks. No answer should exceed **two and half** pages).

20. Explain the instrument of Tradable Pollution Permits.
21. How the economy and environment are interlinked ?
22. Analyse the impacts of global warming.
23. What are the important characteristics of Common Property Resources (CPRs) ?
24. Subsidies as an economic instrument. Comment.
25. Examine the use of the principle of Cost Benefit Analysis in environmental policy decisions.

(4×5=20)

PART – D (Essay)

Answer **any two** questions. (Each question carries **10** marks. No answer should exceed **six** pages).

26. What is sustainable development ? What are the indicators of sustainable development ?
27. Critically examine the different economic instruments for the abatement of environmental externalities.
28. What are the important stages of Environmental Impact Assessment (EIA) ?
29. Highlight the impacts of climate change on agriculture and food security.

(2×10=20)