



Reg. No. : .....

Name : .....

**Third Semester M.A./M.Sc./M.Com. Degree (Reg./Suppl./Imp.)**  
**Examination, November 2016**  
**ECONOMICS/APP.ECONOMICS/DEV.ECONOMICS**  
**ECO 3C12 : Environmental Economics**  
**(2014 Admission Onwards)**

Time : 3 Hours

Max. Marks : 60

**PART - A**

Answer **all** questions. **Each** question carries **half** mark.

1. An example of non-renewable energy resource is
 

a) Coal	b) Solar
c) Tide	d) Wind
2. The Ozone is concentrated in
 

a) Stratosphere	b) Troposphere
c) Exosphere	d) Thermosphere
3. The idea of 'Tragedy of commons' is related
 

a) Ozone depletion	b) Global warming
c) Acid rain	d) Common property resource
4. Montreal protocol is designed for the protection of
 

a) Common property resources
b) Ozone layer
c) Agriculture
d) Forest



5. Which among the following is NOT a basic feature of an environmental good ?

- a) Affordability                      b) Uncertainty  
c) Irreversibility                      d) Uniqueness

6. Pigovian tax is a

- a) Pollution tax                      b) Carbon tax  
c) Effluent tax                      d) All of these

7. Which among the following is the largest emitter of Green House Gas Emissions as the US Environmental Protection Agency (USEPA) ?

- a) India                      b) Germany  
c) China                      d) France

8. Which among the following is a source of CO<sub>2</sub> emission ?

- a) Refrigeration                      b) Fossil combustion  
c) Microwave oven                      d) Air conditioner                      (8×½=4)

PART – B  
(Very Short Answers)

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

9. Ozone depletion.
10. Pigovian Tax.
11. Environmental Economics
12. Entropy law of thermodynamics.
13. Green House Gases.
14. India and carbon tax.
15. Explain the basic idea of material balance model.
16. What is Safe Minimum Standard Approach ?



17. Tradable Pollution Permits.

18. Command and Control method of abatement of environmental externality.

19. Air pollution.                      (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 how the proper assignment of property rights helps in the protection of common property resources.

21. What are the major environmental disasters ? Analyse important mitigation measures.

22. Trace the linkage between economy and the environment.

23. Explain the importance of bio-diversity.

24. What are the important international environmental problems ?

25. What are the major effects of global warming ?                      (4×5=20)

PART – D  
(Essay)

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

26. What are the important stages of Environmental Impact Assessment (EIA) ?

27. How does climate change impact food security ?

28. Critically examine the different economic instruments for the abatement of environmental externalities.

29. What is sustainable development ? What are the key elements of sustainable development ?                      (2×10=20)