



K18P 0960

Reg. No. :

Name :

Third Semester M.A. Degree (Reg./Suppl./Imp.) Examination, October 2018
(2014 Admn. Onwards)
Economics/App. Economics
ECO3C12 : ENVIRONMENTAL ECONOMICS

Time : 3 Hours

Max. Marks : 60

PART – A

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

1. "Individual rationality leads to collective irrationality" is best explained by

- a) Tragedy of the commons
- b) First law of thermodynamics
- c) Pigouvian law
- d) Coase theorem

2. Greenhouse effect refers to an increase in

- a) Atmospheric pressure
- b) Increase in carbon emission
- c) Greenery
- d) Global temperature

3. Number of atoms in Ozone molecules is

- a) 1
- b) 2
- c) 3
- d) 4

4. 'Meeting the needs of the present without compromising the ability of future generation to meet their own need' is given by

- a) Mahatma Gandhi
- b) Brundtland
- c) M.S. Swaminathan
- d) Norman Borlaug

5. Which of the following does not damage ozone layer ?

- a) CFC
- b) ODS
- c) HCFC
- d) HFC

P.T.O.



6. The primary cause of acid rain around the world is
- a) Carbon dioxide
 - b) Sulphur dioxide
 - c) Carbon monoxide
 - d) Ozone

7. Endemic species are
- a) Rare species
 - b) Cosmopolitan in distribution
 - c) Species localized in specific region
 - d) Critically endangered species

8. Which is NOT an objective of EIA ?
- a) Recycling and reduction of waste
 - b) Risk analysis and disaster management
 - c) Assessment of viability of international funding
 - d) All of the above

(8 × 1/2 = 4)

PART – B

(Very Short Answers)

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

9. Briefly explain the Command and Control (C and C) method for controlling negative externality.
10. Identify the various biodiversity threats.
11. What is global warming ?
12. What is entropy and second law of thermodynamics ?
13. Discuss the importance of food chain.
14. Trace the causes of ozone layer depletion.
15. What is carbon tax ?
16. Brief on Montreal Protocol.



17. What are the important non-renewable energy resources ?
18. Explain Hartwick's rule.
19. What is safe minimum standard in environmental economics ? (8×2=16)

PART – C

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

20. What are the global environmental issues and its remedial measures ?
21. Analyze the impact of climate change on agriculture and food production.
22. Discuss the various non markets based and market based policy instruments for environment regulation.
23. Critically examine the effectiveness of Pigouvian tax in pollution control.
24. What is meant by the problem of the tragedy of the commons ?
25. Discuss the inter linkage between economy and environment. (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 ? Analyze the need for and key elements of sustainable development.
27. What are the important steps in Environmental Impact Assessment (EIA) ?
28. The bargaining between those who commit pollution and those who suffer from such pollution, with 'property rights' determining the outcome of that bargain, discuss.
29. Examine the significance of Tradable Pollution Permit in controlling pollution. (2×10=20)