



K20P 1013

Reg. No. :

Name :

III Semester M.A. Degree (CBSS – Reg./Suppl./Imp.)
Examination, October 2020
(2014 Admission Onwards)
Economics/APP. Economics/DEV. Economics
ECO3C12 – ENVIRONMENTAL ECONOMICS

Time : 3 Hours

Max. Marks : 60

PART – A

Answer **all** questions. **Each** question carries $\frac{1}{2}$ mark.

1. Which among the following is related to the Cost-Benefit Analysis ?
 - a) Brundtland Commission Report, 1936
 - b) US Flood Control Act of 1936
 - c) UK Flood Control Act of 1936
 - d) Danish Flood Control Act 1936
2. 'Tragedy of commons' is akin to
 - a) Ronald Coase
 - b) Hotelling
 - c) A. C. Pigou
 - d) Garret Hardin
3. An externality which operates through prices rather than real resource effect is
 - a) Pecuniary externality
 - b) Positive externality
 - c) Technological externality
 - d) Real externality
4. Pigouvian tax is generally paid to
 - a) The affected
 - b) All stakeholders
 - c) The Government
 - d) The Green Peace
5. The pioneer of Tradable Pollution Permit is
 - a) D. H. Dale
 - b) D. H. Robertson
 - c) Hotelling
 - d) E. Davis
6. Allowance trading is also known as
 - a) Averaging
 - b) Cap-and-trade
 - c) Credit trading
 - d) Sole trading

P.T.O.



7. Which among the following is an assumption of Coase theorem ?
 a) transactions are cost less b) damages are meaningless
 c) transactions involve cost d) damages are not measurable
8. The United Nations Commission on Sustainable Development (CSD) was established by the UN General Assembly in the year
 a) 1995 b) 1993
 c) 1994 d) 1992 **(8×½=4)**

**PART – B
 (Very short Answers)**

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

9. What is meant by environmental ethics ?
10. Analyze the impact of market failure on the environment.
11. What is meant by Common Property Resources ?
12. Distinguish between Marginal Social Cost and Marginal Private Cost.
13. Define natural capital.
14. Explain the material balance model.
15. Define intergenerational equity.
16. What is rainwater harvesting ?
17. Explain the command and control method.
18. Explain the provisions of the Montreal protocol.
19. What is meant by disaster management ? **(8×2=16)**

**PART – C
 (Short Answers)**

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

20. "Individual rationality tends to collective irrationality" discuss the statement with the help of Garret Hardin's idea.



21. Analyze the inter-linkage between economy and environment.
22. Discuss the efficacy of Pigouvian tax in tackling pollution.
23. Discuss the Hartwick-Solow approach to sustainable development.
24. Analyze the impact of climate change on agriculture development.
25. Explain the law of thermodynamics. **(4×5=20)**

**PART – D
 (Long Essays)**

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

26. Make a comparative study of Daly's Operational Principle and Safe Minimum Standard Approach.
27. Discuss the various steps involved in cost-benefit analysis.
28. Analyze the usefulness and various steps of Environment Impact Assessment.
29. Analyse the effectiveness of tradable pollution permit as a policy instrument in limiting the level of pollution at the permissible level. **(2×10=20)**