



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

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- 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

(8x1/2=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 ?

(8x2=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)
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