



K21P 0914

Reg. No.:

Name :

**III Semester M.A. Degree (CBSS – Reg./Suppl./Imp.)
Examination, October 2021
(2018 Admission Onwards)
ECONOMICS/APPLIED ECONOMICS/DEVELOPMENT ECONOMICS
ECO3C12 : Environmental Economics**

Time : 3 Hours

Max. Marks : 60

PART – A

Choose the **correct** answer. Answer **all** questions. **All** questions carry **equal** marks.

1. In the atmosphere, the layer above the troposphere is
 - a) Exosphere
 - b) Troposphere
 - c) Hemisphere
 - d) Stratosphere
2. Which one of the following is not an example of an approach to Environment Impact Assessment ?
 - a) Expert judgment
 - b) Social impact judgment
 - c) One-off impact judgment
 - d) Rapid impact assessment matrix
3. Earth Summit of Rio de Janeiro (1992) resulted in
 - a) IUCN
 - b) Establishment of biosphere reserves
 - c) Conservation of biodiversity
 - d) Compilation of red list
4. The presence of solid, liquid or gaseous compounds, which may not be normally present, or in excess concentration in the atmosphere is called
 - a) Air pollution
 - b) Water pollution
 - c) Soil pollution
 - d) Radioactive pollution
5. When did the Kyoto Protocol entered into force ?
 - a) 1997
 - b) 2005
 - c) 2000
 - d) 2009

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6. Ozone depletion is mostly caused by
- a) CFCs
 - b) CCL
 - c) CO₂
 - d) CO
7. For what production and consumption phase out schedules the Montreal protocol has established ?
- a) Greenhouse emitting gases
 - b) Global warming emitting gases
 - c) Ozone layer depleting substances
 - d) Water level increasing substances
8. The Safe Minimum Standard (SMS) was first proposed by
- a) Ciriacy-Wantrup
 - b) Ronald Coase
 - c) Garret Hardin
 - d) Linnaeus

(8×½=4)

PART – B

Answer **any eight** questions. **Each** question carries **2** marks and should **not** exceed **1** page.

- 9. Briefly explain the material balance model.
- 10. Explain the second law of thermo dynamics.
- 11. Examine the relevance of bio diversity.
- 12. What is meant by Montreal protocol ?
- 13. How far the command and control method for the abatement of negative externality is effective ?
- 14. Examine the principle of cost benefit analysis.
- 15. What is meant by Common Property Resources (CPR) ?
- 16. Trace the inter linkages between environment and economy.
- 17. What is meant by climate change ?
- 18. Prepare a brief note on Montreal protocol.
- 19. What is Daly's operational principle ?

(8×2=16)



PART – C

Answer **any 4** questions. **Each** question carries **5** marks and should **not** exceed **2 and half** pages.

20. Prepare a note on the Kerala floods 2018.
21. Discuss the idea of the 'Tragedy of the commons' with suitable examples.
22. Give a brief account of any two environmental disasters.
23. Analyze the various steps in the Environment Impact Assessment (EIA) system.
24. Trace the impacts of climate change on Indian agriculture.
25. What are the important elements of sustainable development ? **(4×5=20)**

PART – D

Answer **any 2** questions. **Each** carries **10** marks and should **not** exceed **6** pages.

26. What are the important market based techniques for the abatement of negative environmental externality ?
 27. Examine the role of rain water harvesting and watershed management in the water conservation of present day Kerala scenario.
 28. Identify the major environmental disasters and examine the effectiveness of its mitigation measures.
 29. Discuss the important causes and effects of global warming. **(2×10=20)**
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