



0113611

K19P 1013

Reg. No. :

Name :

III Semester M.A. Degree (CBSS-Reg./Supp./Imp.)
Examination, October - 2019
(2014 Admission Onwards)

APPLIED ECONOMICS / ECONOMICS / DEVELOPMENTAL ECONOMICS
ECO3C12 : ENVIRONMENTAL ECONOMICS

Time : 3 Hours

Max. Marks : 60

PART-A

Choose the correct answer. Answer **All** questions. **All** questions carry equal marks. (8x½=4)

1. Global warming is caused by

a) GHGs	b) CRE
c) CH4d	NO ₂
2. Which Amendment was agreed to phase down HFCs under the Montreal Protocol?

a) Paris Amendment	b) New York Amendment
c) Delhi Amendment	d) Kigali Amendment
3. Who among the following is associated with the principle of 'Thermo Dynamics?'

a) William Nordhaus	b) Max Planck
c) Charles D Kolstad	d) Alfred Marshall
4. The life supporting gases such as O₂, CO₂ and N₂ are chiefly concentrated in which layer of the atmosphere

a) Exosphere	b) Troposphere
c) Hemisphere	d) Stratosphere
5. A tradable pollution permit system specifies:

a) The total amount of emissions of a particular pollutant
b) The total amount of pollutants in general
c) The number of plants that can pollute
d) The number of firms that can pollute

P.T.O.



6. Which one of the following is NOT an example of an approach to Environment Impact Assessment?
- Expert judgment
 - Social impact judgment
 - One - off impact judgment
 - Rapid impact assessment matrix
7. The safe minimum standard (SMS) was first proposed by
- Ciriacy-Wantrup
 - Ronald Coase
 - Garret Hardin
 - Linnaeus
8. When did the Kyoto Protocol entered into force?
- 1997
 - 2000
 - 2005
 - 2009

PART-B

Answer any **Eight** questions. Each question carries **2** marks and should not exceed one page. **(8x2=16)**

- Briefly explain the Kyoto protocol?
- What is meant by climate change?
- Explain the idea of material balance model
- What is meant by intergeneration and intra generation equity?
- What are the important causes of ozone depletion?
- Analyse the impacts of bio diversity loss
- What is Daly's operational principle?
- What is meant by common property resources (CPR)?
- Briefly explain the second law of thermo dynamics
- What are the important methods of rain water harvesting?
- Analyze the causes and effects of acid rain

PART-C

Answer any **4** questions. Each question carries **5** marks and should not exceed two and half pages. **(4x5=20)**

- Critically examine the Coasean bargaining solution theorem
- Examine the long term effects of Kerala floods 2018.
- What are the important elements of sustainable development?

P.T.O.



- Analyse the need for the management of renewable and non renewable resources
- Analyse the concept of the 'Tragedy of the commons' with suitable examples
- Discuss the use of Safe Minimum Standard (SMS) for managing a catastrophic risk

PART-D

Answer any **2** questions. Each carries **10** marks and should not exceed 6 pages. **(2x10=20)**

- Make a comparative study of Pigouvian tax and Tradable Pollution Permit in the abatement of negative environmental externality
- Identify the major environmental disasters and examine the effectiveness of its mitigation measures
- Analyze the different type of pollutions and their mitigation measures
- What are the important steps for an Environment Impact Assessment (EIA) program?