

**POST GRADUATE CERTIFICATE IN CLIMATE
CHANGE (PGCCC)**

Term-End Examination

December, 2021

**MEV-023 : MITIGATION AND ADAPTATION TO
CLIMATE CHANGE**

Time : 3 hours

Maximum Marks : 100

Note : Answer any **ten** questions. All questions carry equal marks.

1. Write short notes on the following : *5+5=10*
 - (a) Emission Trading
 - (b) The Kyoto Protocol

2. Write short notes on the following : *5+5=10*
 - (a) Global Environment Facility
 - (b) Natural Resource Management

3. Write short notes on the following : *5+5=10*
 - (a) Conference of Parties
 - (b) Coal Bed Methane Technology

4. Give an account of mitigation and adaptation strategies for sustainable livestock management. *10*
5. Explain the effects of deforestation on the environment. *10*
6. Write short notes on the following : *5+5=10*
- (a) Global Carbon Cycle
 - (b) Strategies to Increase Carbon Density in Forests
7. Give an account of the applications of Carbon Capture and Storage (CCS) technology. *10*
8. Write short notes on the following : *5+5=10*
- (a) Automotive Energy Efficiency
 - (b) Ethanol Production from Biomass
9. Give an account of the public health actions recommended to address climate change. *10*
10. Write short notes on the following : *5+5=10*
- (a) Energy Use in Buildings Sector
 - (b) Anaerobic Digestion
11. Describe the waste management strategies for climate change mitigation. *10*

12. Write short notes on the following : *5+5=10*

- (a) Waste-to-Energy Technologies
- (b) Climate-resilient Pathways

13. Write short notes on the following : *5+5=10*

- (a) Sustainable Agriculture Management
- (b) Oceanic Carbon Sequestration

14. Give an account of afforestation measures recommended in the following regions : *5+5=10*

- (a) Salt affected soils
 - (b) Denuded hill slopes
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