

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

Term-End Examination

February, 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.*

SECTION A

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

2. Write short notes on the following : *5+5=10*
 - (a) Global Environment Facility
 - (b) Paris Agreement on Climate Change

3. Explain the need for mainstreaming adaptation strategies. *10*

4. Discuss the strategies to manage the soil organic matter content. 10
5. What is afforestation ? Explain the advantages and limitations of afforestation. 10
6. Write short notes on the following : 4+3+3=10
- (a) Terrestrial Carbon Sequestration
 - (b) Geological Carbon Sequestration.
 - (c) Oceanic Carbon Sequestration
7. Highlight the advantages and limitations of carbon capture and storage technology. 10
8. Write short notes on the following : 5+5=10
- (a) Automotive Energy Efficiency
 - (b) Ethanol Production from Biomass
9. Explain the public health actions recommended to address the climate change. 10
10. Explain the waste management strategies for climate change mitigation. 10
11. Write short notes on the following : 5+5=10
- (a) Waste Hierarchy
 - (b) Waste to Energy Technologies

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

- (a) Natural Resources Management
- (b) Solid Waste Management

13. Give a brief account of the following : *5+5=10*

- (a) Common but Differentiated Responsibility
- (b) Coalbed Methane

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

- (a) Global Carbon Cycle
 - (b) Third Generation Biofuels
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