

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

Term-End Examination

June, 2025

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

Time : 3 Hours

Maximum Marks : 100

Note : (i) Attempt any *ten* questions.

(ii) All questions carry equal marks.

1. Differentiate between climate mitigation and climate adaptation. Explain the market mechanisms adopted in climate change mitigation policy. 10
2. Write short notes on the following : 5+5=10
 - (a) Kyoto Protocol
 - (b) Energy Conservation

3. Explain the climate resilient practices for sustainable agricultural development. 10
4. Differentiate between deforestation and reforestation. Explain the causes and impacts of deforestation on the environment.
10
5. Write short notes on the following : 5+5=10
 - (a) Carbon cycle
 - (b) Carbon sequestration
6. Write short notes on the following : 5+5=10
 - (a) Municipal solid waste management
 - (b) Natural resource management
7. Write short notes on the following : 5+5=10
 - (a) Paris Agreement on Climate Change
 - (b) Climate-resilient pathways
8. What is carbon capture and storage technology ? Explain the application of carbon capture and storage technology. 10

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

- (a) Second generation biofuels
- (b) Common but differentiated responsibilities

10. What is automotive energy efficiency ?

Explain the design strategies to increase automotive energy efficiency. 10

11. Explain the public health intervention

required to minimize the impact of climate change on public health. 10

12. Discuss the strategies to minimize the

energy use in buildings. 10

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

- (a) Waste hierarchy
- (b) Renewable energy

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

- (a) Incineration
- (b) Anaerobic digestion

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