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MEV-022

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

Term-End Examination

December, 2025

MEV-022 : IMPACTS OF CLIMATE CHANGE

Time : 3 Hours

Maximum Marks : 100

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

(ii) All questions carry equal marks.

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1. What is infrastructure ? Explain the climate change impacts on water and transportation infrastructure. 10
 2. Write short notes on the following : 5+5
 - (a) Water harvesting
 - (b) Energy security
 3. Explain the negative impacts of climate change on human health. 10

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4. Write short notes on the following : 5+5
 - (a) Carbon dioxide fertilization effect
 - (b) Greenhouse gas emissions from agriculture
5. Explain the impacts of climate change on biodiversity. 10
6. What is coastal ecosystem ? Explain the impact of climate change on coastal ecosystem. 10
7. Explain the strategies to minimize greenhouse gas emission from livestock rearing. 10
8. Write short notes on the following : 5+5
 - (a) Soil Salinization
 - (b) Soil Environment
9. Explain the impact of climate change on the migration pattern of marine organisms. 10
10. Write short notes on the following : 5+5
 - (a) Wetlands as carbon sink
 - (b) Ocean acidification

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11. Explain the impacts of climate change on forests. 10
12. Write short notes on the following : 5+5
- (a) Soil erosion
 - (b) Glacier melting and sea level rise
13. Write short notes on the following : 5+5
- (a) Hydrological cycle
 - (b) Extreme weather events
14. Write short notes on the following : 5+5
- (a) Concept of livelihood
 - (b) Wild fire

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