

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

Term-End Examination

June, 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.

1. Explain the positive and negative impacts of climate change on agriculture. 10
2. Write short notes on the following : 5+5=10
 - (a) Greenhouse gases emission from livestock rearing
 - (b) Impacts of global warming on animal husbandry

3. What is REDD + Mechanism ? Explain the effects of afforestation and reforestation on environment. 10
4. Explain the impacts of climate change on marine fisheries. 10
5. What are the components of soil environment ? Explain the interaction between soil and environment. 10
6. Explain the impacts of climate change on chemical properties of ocean. 10
7. What are wetlands ? Explain the role of wetlands in climate mitigation and adaptation. 10
8. Write short notes on the following : 5+5=10
 - (a) Water cycle
 - (b) Carbon cycle
9. What is mountain ecosystem ? Explain the reasons for the mountain ecosystem vulnerability to climate change. 10

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10. What is soil erosion ? Explain the mechanical and biological measures to control soil erosion. 10
11. Write short notes on the following : 5+5=10
- (a) Climate refugees
 - (b) Coastal ecosystem
12. Write short notes on the following : 5+5=10
- (a) Urban heat island effect
 - (b) Urban flooding
13. Write short notes on the following : 5+5=10
- (a) Energy security
 - (b) Green energy
14. Explain the impacts of climate change on human health. 10

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