

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

Term-End Examination

June, 2026

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. What are the greenhouse gases emissions from agriculture ? Explain. 10
2. Explain the measures to reduce greenhouse gas emissions from livestock. 10
3. Discuss the climate change impacts on forest. 10
4. What are the impacts of climate change on marine fisheries ? Explain in brief. 10

5. Write short notes on the following : 5+5
- (a) Livelihood security
 - (b) Coastal vulnerability
6. Discuss the characteristics of traditional and modern water harvesting systems. 10
7. Explain the impacts of climate change on biodiversity. 10
8. What is energy security ? Explain the measures needed to achieve energy security. 10
9. Write short notes on the following : 5+5
- (a) Ocean acidification
 - (b) Urban flooding
10. What are ecosystem services ? Explain the ecosystem services provided by the wetland ecosystem. 2+8
11. Write short notes on the following : 5+5
- (a) Vector-borne diseases
 - (b) Heat stress

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12. Define infrastructure. Explain the impacts of climate change on transportation infrastructure. 10

13. What is soil erosion ? Explain the types of soil erosion. 2+8

14. What is soil salinization ? Explain the causes and extent of saline soils in India.

2+8

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