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MEV-021

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

Term-End Examination

June, 2026

**MEV-021 : INTRODUCTION TO
CLIMATE CHANGE**

Time : 3 Hours

Maximum Marks : 100

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

(ii) All questions carry equal marks.

1. What is climate system ? Explain the different components of climate system. 10
2. Explain the concept of greenhouse effect with suitable diagram. 10
3. Write short notes on the following : 5+5
 - (a) Radiative forcing
 - (b) Global warming potential

4. Explain the anthropogenic drivers of climate change. 10
5. What is climate feedback ? Explain the water vapour feedback and snow and ice albedo feedback with suitable diagrams. 10
6. What is the meaning of Palaeoclimate ? Explain the different sources of palaeoclimatic data. 10
7. Discuss the extent and causes of deforestation. 10
8. Write short notes on the following : 5+5
 - (a) Drought monitoring
 - (b) Urban flooding
9. What are climate models ? Discuss the different types of climate models. 10
10. Write short notes on the following : 5+5
 - (a) Aerosol and climate interactions
 - (b) Forest fires
11. Discuss the salient features of Paris Agreement on climate change. 10

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12. Write short notes on the following : 5+5

(a) Rainwater harvesting

(b) Desertification

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

(a) El Nino

(b) Glacier melting

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

(a) Timberline

(b) Permafrost

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