

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

Term-End Examination

June, 2025

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

Time : 3 Hours

Maximum Marks : 100

Note : Attempt any *ten* questions. All questions carry equal marks.

1. What is greenhouse effect ? Explain the global energy budget. 2+8=10
2. Write short notes on the following : 5+5=10
 - (a) Landuse change
 - (b) Milankovitch oscillations
3. What are climate feedback ? Explain the different types of climate feedback. 2+8=10

4. What is deforestation ? Explain the causes and impacts of deforestation. 2+8=10
5. Write short notes on the following : 5+5=10
 - (a) Speleothems
 - (b) Climate change and variability
6. What is climate system ? Explain the interaction between different components of climate system with a suitable diagram. 2+8=10
7. Write short notes on the following : 5+5=10
 - (a) Global Warming Potential
 - (b) SDG-13 : Climate Action
8. Write short notes on the following : 5+5=10
 - (a) Climate during Precambrian period
 - (b) Dendrochronology
9. Discuss the salient features of National Action Plan on Climate Change. 10
10. Explain the characteristics of Representative Concentration Pathways. 10

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11. What is drought ? Explain the causes and strategies to mitigate drought. 2+8=10
12. What are extreme weather events ? Discuss the causes and management strategies to mitigate forest fires. 2+8=10
13. Explain the role of self-help groups in reducing climate change vulnerability. 10
14. Write short notes on the following : 5+5=10
- (a) Clean Development Mechanism
- (b) Joint Forest Management

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