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MEV-021

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

Term-End Examination

December, 2025

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

Time : 3 Hours

Maximum Marks : 100

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

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1. Discuss the salient features of Paris Agreement on climate change. 10
 2. Write short notes on the following : 5+5
 - (a) Watershed management
 - (b) Rainwater harvesting

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3. Explain the natural causes of climate change. 10
4. Write short notes on the following : 5+5
 - (a) IPCC
 - (b) UNFCCC
5. Write short notes on the following : 5+5
 - (a) Kyoto Protocol
 - (b) Carbon neutrality
6. What are climate models ? Discuss the different types of climate models. 2+8
7. Explain the anthropogenic drivers of climate change. 10
8. What is desertification ? Discuss the causes and impacts of desertification. 2+8
9. Discuss the impacts of climate change on biodiversity. 10
10. Explain the global monsoon system. 10
11. What is palaeoclimatic data ? Explain the sources of palaeoclimatic data. 2+8

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12. What is urban heat island effect ? Explain the causes of urban heat island effect. 2+8

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

(a) Vertical structure of atmosphere

(b) Greenhouse effect

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

(a) Climate feedback

(b) Climate system

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