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MEV-021

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

Term-End Examination

June, 2023

MEV-021 : INTRODUCTION TO CLIMATE CHANGE

Time : 3 Hours

Maximum Marks : 100

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

1. Explain the structure and composition of the atmosphere. 10
2. Discuss the natural drivers of climate change. 10
3. What is climate feedback ? Explain water vapour feedback and ice albedo feedback. 10

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4. Discuss the climatic conditions during the Precambrian era. 10
5. What is Deforestation ? Explain the impact of deforestation. 2+8
6. What is Greenhouse Gas Emission Scenario ? Explain the Representative Concentration Pathways (RCPs). 2+8
7. Explain the global monsoon system. 10
8. Write short notes on the following : 5+5
 - (a) El Nino
 - (b) Snow Line
9. What are extreme weather events ? Discuss the occurrence of extreme weather events. 2+8
10. Discuss the Paris Agreement on Climate Change. 10
11. Write short notes on the following : 5+5
 - (a) Self Help Groups
 - (b) Watershed Management

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

(a) IPCC

(b) Drought

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

(a) Methane clathrates

(b) Climate uncertainties

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

(a) Particulates

(b) Kyoto Protocol