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**MEV-021**

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

**Term-End Examination**

**December, 2021**

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

*Time : 3 Hours*

*Maximum Marks : 100*

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

(ii) Each question carries equal marks.

1. Write the major characteristics of any **five** important greenhouse gases. 10
2. Discuss sedimentary rock as a source of natural climatic archive. 10
3. Write an essay on Dendochronology. 10
4. What are the major causes of deforestation ? Briefly explain the major impacts of deforestation. 5+5

**P. T. O.**

5. Define the term 'Model'. What are climate models ? What are the major components of global climate model ? 2+3+5
6. Write short notes on any **two** of the following : 5+5
  - (a) Forest Fire
  - (b) Sea Level Rise
  - (c) Speleotherms
  - (d) Albedo Feedback
7. Define Monsoon. Describe Indian monsoon system. 2+8
8. Discuss the impact of climate change on forest ecosystem in India. 10
9. What are the major extreme events associated with climate change ? Explain. 10
10. Explain any **two** of the following global events in brief : 5+5
  - (a) Rio Declaration

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(b) UN FCCC

(c) IPCC

(d) Copenhagen Summit

11. Explain India's position in Copenhagen Summit. 10
12. Discuss the role of State Government for effective implementation of India's National Action Plan on Climate Change. 10