

No. of Printed Pages : 3

**MEV-021**

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

**Term-End Examination**

**December, 2024**

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

*Time : 3 Hours*

*Maximum Marks : 100*

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

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1. What are greenhouse gases ? Explain the trends and concentration of greenhouse gases in the atmosphere since industrial revolution. 10
2. What is climate system ? Explain the different components of climate system. 10
3. What is climate change ? Explain the natural causes of climate change. 10

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4. What is climate feedback ? Explain the water vapour feedback and lapse rate feedback. 10
5. Write short notes on the following : 5+5=10
  - (a) Dendrochronology
  - (b) Speleothems
6. Explain the climatic conditions that prevailed during pre-cambrian era. 10
7. Explain the causes of urban flooding. 10
8. Describe how changing landuse affects climate change. 10
9. What are climate models ? Explain the different types of climate models. 10
10. Write short notes on the following : 5+5=10
  - (a) Deforestation
  - (b) Desertification
11. Explain the key features of National Action Plan on climate change. 10
12. Write short notes on the following : 5+5=10
  - (a) Rainwater harvesting
  - (b) Drought

13. Write short notes on the following :      5+5=10

(a) Kyoto Protocol

(b) IPCC

14. Discuss the impacts of climate change on  
biodiversity.      10

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