

**POST GRADUATE CERTIFICATE IN  
CLIMATE CHANGE**

**Term-End Examination**

**December, 2022**

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

*Time : 3 hours*

*Maximum Marks : 100*

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

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1. Explain the concept of Greenhouse Effect. 10
  
2. Explain the anthropogenic drivers of climate change. 10
  
3. Write short notes on the following : 5+5=10
  - (a) Water Vapour Feedback
  - (b) Snow and Ice Albedo Feedback
  
4. Write short notes on the following : 5+5=10
  - (a) Climate during Precambrian
  - (b) Climate during Pleistocene

5. Write short notes on the following : *5+5=10*
- (a) Speleothems
  - (b) Dendrochronology
6. Write short notes on the following : *5+5=10*
- (a) Urban Heat Island Effect
  - (b) Urban Flooding
7. What is Representative Concentration Pathway (RCP) ? Explain the Representative Concentration Pathways (RCPs). *2+8=10*
8. Write short notes on the following : *5+5=10*
- (a) Particulates
  - (b) Desertification
9. Write short notes on the following : *5+5=10*
- (a) Hydrological Cycle
  - (b) El Nino
10. Write short notes on the following : *5+5=10*
- (a) Snowline
  - (b) Timberline
11. Write short notes on the following : *5+5=10*
- (a) Climate Uncertainties
  - (b) Forest Fires

- 12.** Write short notes on the following : *5+5=10*
- (a) UNFCCC
  - (b) Kyoto Protocol
- 13.** Discuss the salient features of National Action Plan on Climate Change (NAPCC). *10*
- 14.** Write short notes on the following : *5+5=10*
- (a) Watershed Management
  - (b) Rainwater Harvesting
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