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**MEV-023**

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

**Term-End Examination**

**June, 2021**

**MEV-023 : MITIGATION AND ADAPTATION TO  
CLIMATE CHANGE**

*Time : 3 Hours*

*Maximum Marks : 100*

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

(ii) All questions carry equal marks.

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1. Write short notes on the following : 5 + 5 = 10
  - (a) UNFCCC
  - (b) Clean Development Mechanism
2. Write short notes on the following : 5 + 5 = 10
  - (a) Energy Conservation
  - (b) Paris Agreement on Climate Change

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3. Explain the need for mainstreaming adaptation strategies. 10
4. Describe the mitigation and adaptation strategies to manage the organic matter in soil. 10
5. What is afforestation ? Explain the advantages and limitations of afforestation. 10
6. Write short notes on the following : 5 + 5 = 10
  - (a) Terrestrial carbon sequestration
  - (b) Geological carbon sequestration
7. Give an account of the advantages and limitations of carbon capture and storage technologies. 10
8. Write short notes on the following : 5 + 5 = 10
  - (a) Energy security
  - (b) Second generation biofuels

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9. Explain the fuel efficiency technologies adopted in the transport system to mitigate climate change. 10
10. What are green buildings ? Give an account of the principles and components of green buildings. 2 + 8 = 10
11. Write short notes on the following : 5 + 5 = 10
- (a) Waste hierarchy
  - (b) Incineration
12. Write short notes on the following : 5 + 5 = 10
- (a) Solid waste management
  - (b) Drivers of diversification of energy sources
13. Write short notes on the following : 5 + 5 = 10
- (a) Resilient health services infrastructure
  - (b) Climate smart agriculture
14. Give an account of adaptation responses to climate change in the agriculture sector. 10

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