

No. of Printed Pages : 3

MEV-023

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

Term-End Examination

December, 2025

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

Time : 3 Hours

Maximum Marks : 100

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

(ii) All questions carry equal marks.

1. What is carbon sequestration ? Explain the processes involved in terrestrial and geological carbon sequestration. 10
2. What is renewable energy ? Explain the different types of renewable energy technologies. 10
3. Write short notes on the following : 5+5
 - (a) Energy security
 - (b) Algal biofuels

4. What is automotive energy efficiency ? Explain the fuel efficiency technologies used in the transport sector. 10
5. Explain the salient features of climate resilient health infrastructure. 10
6. What are green buildings ? Explain the principles, opportunities and limitations of green buildings. 10
7. Write short notes on the following : 5+5
 - (a) Methane enrichment of biogas
 - (b) Landfills
8. Write short notes on the following : 5+5
 - (a) Emission trading
 - (b) Clean Development Mechanism
9. Explain the salient features of Paris Agreement on Climate Change. 10
10. What is climate-smart agriculture ? Explain the objectives, characteristics and advantages of climate-smart agriculture. 10
11. Write short notes on the following : 5+5
 - (a) Coal bed methane technology
 - (b) UNFCCC

[3]

12. What is afforestation ? Explain the afforestation measures recommended in a desert region. 10
13. Write short notes on the following : 5+5
- (a) Global Environment Facility
 - (b) Natural Resource Management
14. Write short notes on the following : 5+5
- (a) Conference of Parties
 - (b) Sustainable Livestock Management

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