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MEV-023

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

Term-End Examination

December, 2023

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

Time : 3 Hours

Maximum Marks : 100

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

(ii) All questions carry equal marks.

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) Carbon markets
 - (b) Energy conservation
3. What is sustainable agriculture management ?
Explain the strategies for sustainable
agriculture management. 2+8=10
4. What is afforestation ? Describe the
afforestation measures recommended in a
desert region. 2+8=10

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5. Discuss the forest management strategies to increase carbon density. 10
6. Write short notes on the following : 5+5=10
 - (a) Terrestrial carbon sequestration
 - (b) Oceanic carbon sequestration
7. What are biofuels ? Explain the salient features of first and second generation biofuels. 2+8=10
8. Discuss the strategies to address climate change in public health sector. 10
9. Enumerate the key principles of green buildings. 10
10. Write short notes on the following : 5+5=10
 - (a) Waste hierarchy
 - (b) Sustainable Development Goals
11. Explain the climate mitigation strategy in transportation sector. 10
12. What is waste to energy technology ? Discuss the different types of waste to energy technologies. 2+8=10
13. Explain the climate-resilient pathways with suitable examples. 10
14. Describe the mitigation and adaptation strategies for sustainable livestock management. 10