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MEV-023

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

Term-End Examination

June, 2020

**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 each
 - (a) Clean Development Mechanism
 - (b) Emission trading

2. Give a brief account of the following : 5 each
 - (a) Energy Conservation
 - (b) Conference of parties

P. T. O.

3. Write short notes on the following : 5 each
 - (a) Coal bed methane technology
 - (b) Common but differentiated responsibility
4. Explain the mitigation and adaptation strategies for sustainable livestock management. 10
5. Describe the effects of deforestation on the environment. 10
6. Write short notes on the following : 5 each
 - (a) Forest management strategies to increase carbon density
 - (b) Global carbon cycle
7. Discuss the application of carbon capture and storage (CCS) technology. 10
8. Write short notes on the following : 5 each
 - (a) Drivers of diversification of energy sources
 - (b) Energy security
9. Explain the fuel efficiency technologies adopted in the transport system to mitigate climate change. 10

10. What are green buildings ? Explain the principles and components of green buildings.

10

11. Write short notes on the following : 5 each

(a) Incineration

(b) Engineered landfills

12. Give a brief account of the following : 5 each

(a) The Kyoto protocol

(b) Paris agreement on climate change

13. Write short notes on the following : 5 each

(a) Carbon markets

(b) Sustainable agriculture management

14. Write short notes on the following : 5 each

(a) Carbon sequestration

(b) Biofuels