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MEV-023

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

Term-End Examination

June, 2022

**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. Define mitigation and adaptation. Explain the difference between climate mitigation and adaptation. 10
2. Describe the importance of natural resource management and energy conservation in the context of climate change. 5+5

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3. Explain the role of United Nations Framework convention on climate change mitigation. 10
4. Explain the characteristics and determinants of adaptive capacity from the perspective of climate change. 5+5
5. Explain Clean Development mechanism and describe its benefits and drawbacks. 10
6. Explain the strategies for sustainable agriculture management and land degradation management. 10
7. What is deforestation ? Explain how reducing deforestation and degradation can mitigate climate change. 10
8. Describe climate adaptation and mitigation measures in agriculture. 10
9. Write a note on carbon capture and sequestration. Enlist advantages and limitations of CCS technology. 10

10. What are the conventional energy sources ? Differentiate between non-renewable energy sources and renewable energy sources. 10
11. Explain different generations of biocide and their advantages and limitations. 10
12. Describe the potential of Industrial sector to reduce GHG emissions. Explain the need to promote climate resistant industry. 10
13. Define auto efficiency. Describe the fuel efficiency technologies. 10
14. What clinical and public health interventions can be made to mitigate climate change ? 10
15. Write short notes on any *two* of the following :
5×2=10
- (i) Green building
 - (ii) Waste management strategies for climate change mitigation
 - (iii) Technologies for GHG reduction