

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

Term-End Examination

December, 2024

**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.

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1. Define energy efficiency. How is energy conservation important for climate change mitigation ? 3+7=10
 2. What is adaptive capacity ? Explain adaptive strategies from the perspective of climate change. 3+7=10
 3. Explain clean development mechanism and emission trading. 10

4. What is green revolution ? Explain strategies for sustainable agriculture management. 2+8=10
5. Explain various forest and landuse management strategies for climate change mitigation. 10
6. Explain with examples the synergies between adaptation and mitigation in agriculture sector. 10
7. Explain carbon sequestration and carbon capture and storage technology. 10
8. Discuss conventional and renewable energy sources. 10
9. Describe potential and limitations of various categories of biofuels. 10
10. Give an overview of green house emission from industries. 10
11. Describe major categories of efficiency technology used to reduce fuel use and GHG emissions in vehicles. 10

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12. How can public health sector be strengthened to address the challenges of climate change ? 10
13. Describe the options/technologies for reducing energy consumption and GHG emission from building sector. 10
14. How is waste responsible for climate change ? Give technologies for GHG reduction from the waste. 3+7=10

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