

**PH. D. IN ENVIRONMENTAL
SCIENCE (PHDEV)**

Term-End Examination

June, 2025

REVE-006 : CLIMATE CHANGE

Time : 3 Hours

Maximum Marks : 100

Note : Answer any *ten* questions. All questions carry equal marks.

1. Explain the impacts of climate change on human health. 10
2. Write short notes on the following : 5+5
 - (a) Clean Development Mechanism
 - (b) UNFCCC
3. What is afforestation ? Explain the advantages and limitations of afforestation.

2+8

4. Explain the different steps involved in Global Carbon cycle. 10
5. Explain the salient features of Paris Agreement on Climate Change. 10
6. Explain the waste management strategies for climate change mitigation. 10
7. What are greenhouse gases ? Explain the greenhouse gas emissions from agricultural activities. 2+8
8. Write short notes on the following : 5+5
 - (a) Ocean acidification
 - (b) Sustainable Development Goals
9. Explain the impact of climate change on livelihood security in the Himalayan region. 10
10. Explain the impacts of climate change on urban environment. 10

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11. What is climate system ? Explain the different components of climate system. 2+8
12. Explain the anthropogenic causes of climate change. 10
13. Write short notes on the following : 5+5
- (a) Forest fires
 - (b) Drought
14. Explain the role of state government in minimizing climate change vulnerability. 10

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