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REVE-006

**Ph. D. (ENVIRONMENTAL
SCIENCE) (PHDEV)**

Term-End Examination

December, 2025

REVE-006 : CLIMATE CHANGE

Time : 3 Hours

Maximum Marks : 100

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

(ii) All questions carry equal marks.

1. Explain the concept of greenhouse effect with suitable diagram. 10
2. What is climate system ? Explain the different components of climate system. 10
3. Define climate change. Explain the human causes of climate change. 2+8
4. Explain the causes and impacts of deforestation. 10
5. Explain the relationship between urbanization and climate change. 10

6. Explain the strategies and programmes adopted by India to reduce greenhouse gases emission. 10
7. Explain the measures to control drought in India. 10
8. Explain the impacts of climate change on biodiversity. 10
9. Explain how adoption of renewable energy reduces greenhouse gases emissions from energy sector. 10
10. Explain the processes involved in hydrological cycle with suitable diagram. 10
11. Write short notes on the following : 5+5
 - (a) IPCC
 - (b) UNFCCC
12. Explain the benefits of rainwater harvesting. 10
13. Explain the impacts of climate change on human health. 10
14. Explain the different types of soil erosion. 10

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