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REVE-006

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

Term-End Examination

June, 2026

REVE-006 : CLIMATE CHANGE

Time : 3 Hours

Maximum Marks : 100

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

(ii) All questions carry equal marks.

1. Explain the causes and impacts of urban flooding. 10
2. What is Energy Security ? Explain the role of renewable energy to achieve energy security in India. 2+8

3. Explain the sources and sinks of greenhouse gases like carbon dioxide, methane and nitrous oxide. 10
4. Explain the characteristic features of Indian monsoon with suitable diagram. 10
5. Explain the salient feature of Paris agreement on climate change. 10
6. Discuss the National Action Plan on climate change. 10
7. Explain the climate change impacts on Indian agriculture. 10
8. Explain the causes and impacts of desertification. 10
9. Explain the impacts of climate change on mountain ecosystem. 10
10. Explain the relationship between climate change and transportation sector. 10

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11. Write short notes on the following : 5+5

(a) Climate justice

(b) Climate variability

12. Explain the impacts of climate change on
public health infrastructure. 10

13. Explain the relationship between climate
change and sustainable development. 10

14. Explain the strategies to address gender
issues in climate change. 10

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