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**MEV-021**

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

**Term-End Examination**

**June, 2024**

**MEV-021 : INTRODUCTION TO CLIMATE  
CHANGE**

*Time : 3 Hours*

*Maximum Marks : 100*

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**Note :-** Attempt any *ten* questions. All questions carry equal marks.

1. Explain the vertical structure and composition of atmosphere. 10
2. Explain the concept of greenhouse effect. 10
3. Explain the human-induced causes of climate change. 10
4. (a) What is climate feedback ? Explain the water vapour feedback and ice albedo feedback. 10

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- (b) Explain the sources of palaeoclimatic data. 10
5. (a) What are the causes of deforestation ? Explain. (b) Discuss the strategies to minimise the impacts of deforestation. 5+5=10
6. What is urban heat island effect ? Explain the causes and strategies to reduce the urban heat island effect. 10
7. What are the Representative concentration pathways ? Explain the different Representative concentration pathways ?
8. Explain the salient features of Indian monsoon system. 10
9. Write short notes on the following : (a) Snowline (b) Methane Clathrates 5+5=10
10. What are extreme climate events ? Explain the occurrence of floods and droughts in India. 10

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11. Write short notes on the following :

(a) UNFCCC

(b) Rio declaration on environment and  
development

5+5=10

12. Explain the salient features of paris agreement on  
climate change. 10

13. What is climate change vulnerability ? Explain the  
importance of self help groups in minimizing climate  
change impacts. 10

14. Write short notes on the following :

(i) Watershed Management

(ii) Desertification

5+5=10

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