

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

Term-End Examination

June, 2022

MEV-021 : INTRODUCTION TO CLIMATE CHANGE

Time : 3 hours

Maximum Marks : 100

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

1. Write short notes on the following : 5+5=10
 - (a) Composition of the Atmosphere
 - (b) Structure of the Atmosphere

2. Write short notes on the following : 5+5=10
 - (a) Climate Change and Variability
 - (b) Climate System

3. Explain the natural drivers of climate change. 10

4. What are climate feedbacks ? Explain the concept of climate feedbacks. 2+8=10

5. What is palaeoclimatic data ? Discuss the sources of palaeoclimatic data. 2+8=10
6. Discuss the factors affecting the Earth's climate system. 10
7. What is deforestation ? Discuss the causes and impacts of deforestation. 2+8=10
8. What is climate model ? Discuss the different types of climate models. 2+8=10
9. Discuss the trends in rising sea levels. 10
10. What is monsoon system ? Explain the global monsoon system. 2+8=10
11. Define biodiversity. Discuss the impacts of climate change on biodiversity. 2+8=10
12. Write short notes on the following : 5+5=10
- (a) Permafrost
- (b) Methane Clathrates
13. Discuss the salient features of the Paris Agreement on Climate Change. 10
14. Explain the role of Self-Help Groups in minimising vulnerability to climate change. 10
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