

No. of Printed Pages : 2

MEV-021

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

Term-End Examination

December, 2023

MEV-021 : INTRODUCTION TO CLIMATE CHANGE

Time : 3 Hours

Maximum Marks : 100

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

1. Explain the global energy budget with a suitable diagram. 10
2. Explain the anthropogenic drivers of climate change. 10
3. What is Palaeoclimatic Data ? Explain the sources of Palaeoclimatic Data. 2+8
4. Write short notes on the following : 5+5
 - (a) Urban heat island effect
 - (b) Glacial lake outburst floods
5. What are climate models ? Explain the different types of climate models. 2+8
6. Write short notes on the following : 5+5
 - (a) Sea level rise
 - (b) Hydrological cycle

P. T. O.

[2]

7. Explain the impacts of climate change on biodiversity. 10
8. Explain the role of SHG in minimising climate change vulnerability. 10
9. Write short notes on the following : 5+5
 - (a) Rainwater harvesting
 - (b) Rio Declaration on Environment and Development
10. Write short notes on the following : 5+5
 - (a) SDG-13 Climate Action
 - (b) UNFCCC
11. Discuss India's National Action Plan on climate change. 10
12. Write short notes on the following : 5+5
 - (a) Forest fires
 - (b) Timberline
13. Write short notes on the following : 5+5
 - (a) Greenhouse effect
 - (b) Water vapour feedback
14. Discuss the causes of desertification. 10

MEV-021