

**POST GRADUATE CERTIFICATE IN
CLIMATE CHANGE**

Term-End Examination

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

Time : 3 Hours]

[Maximum Marks : 100

Note: Answer any ten questions.

All questions carries equal marks.

1. Explain any two basic natural resource management techniques that are commonly followed in India. 5+5
2. Write short note on state action plan on climate change indicated by any two states of India. 5+5
3. Discuss any two of the following: 5+5
 - (a) UNFCC
 - (b) IPCC
 - (c) Kyoto Protocol
4. What are the causes and impacts of sea level rise? Explain. 5+5
5. Define any four of the following terms: $2\frac{1}{2} \times 4 = 10$
 - a. Snowline

- b. Permafrost
 - c. Aerosols
 - d. Elwino
 - e. Hydrological cycle
 - f. Regional climate
6. Briefly discuss the precipitation trends across the world during the last few decades.
 7. Write brief notes on any two of the following: 10
 - a. One - dimensional models
 - b. Representative concentration pathways
 - c. Urban Heat Island
 - d. Desertification
 8. Describe the major factors that affect the earth's climate system? 10
 9. Explain the different types of data provided by archaeologists to study the climate. 10
 10. What is climate feedback? Explain the snow and ice albedo feedback. 5+5
 11. What are natural drivers of climate change? Discuss. 10
 12. Define the term Global Warming Potential (GWP). What are the factors that influence GWP? 5+5