

No. of Printed Pages : 3

MEV-022

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

Term-End Examination

December, 2022

MEV-022 : IMPACTS OF CLIMATE CHANGE

Time : 3 Hours

Maximum Marks : 100

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

1. Discuss the strategies to minimise emissions of greenhouse gases from agriculture. 10
2. Explain the impacts of global warming on livestock. 10
3. Write short notes on the following : 5+5
 - (a) Forests as a carbon sink
 - (b) REDD
4. Explain the impact of climate change on marine fisheries. 10

P. T. O.

5. Explain the impacts of climate change on evapotranspiration and soil salinization. 10
6. Explain the effects of climate change on biological properties of ocean. 10
7. Write short notes on the following : 5+5
 - (a) Ocean acidification
 - (b) Hydrological cycle
8. Discuss the role of wetlands in climate change adaptation. 10
9. Explain the impacts of climate change on livelihood support system in the Himalayan region. 10
10. Explain the traditional and modern water harvesting systems. 10
11. Define infrastructure. Explain the climate change impacts on transportation infrastructure and water infrastructure. 2+8

[3]

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

(a) Coastal vulnerability

(b) Urban heat island effect

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

(a) Concept of livelihood

(b) Climate refugees

14. Explain the interactions between climate change and biodiversity. 10