

POST GRADUATE CERTIFICATE IN CLIMATE CHANGE (PGCCC)

Term-End Examination

December, 2019

MEV-021 : INTRODUCTION TO CLIMATE CHANGE

Time : 3 hours

Maximum Marks : 100

Note : (i) Attempt any ten questions.

(ii) Each question carries equal mark.

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1. Write short notes on any two of the following : 5+5
 - (a) Regional Climate
 - (b) Structure of the atmosphere
 - (c) Climate Change
 2. Explain Global Heat Budget with suitable diagram. 10
 3. Discuss any two anthropogenic drivers' of climate change. 5+5
 4. Explain any two of the following terms : 5+5
 - (a) Water vapour feedback
 - (b) Radiative forcing
 - (c) Global warming potential
 5. Briefly explain how tree plays an important role in studying the climate change ? 10
 6. What is deforestation ? Explain any two impacts. 2+4+4
 7. What is 'Climate models' ? What are its importance ? 4+6
 8. Discuss the different phases of global Climate change debate. 10
 9. Define Hydrological cycle. What are its key components ? 2+8
 10. Discuss any two major impacts of Climate change on Ocean Ecosystem. 5+5
 11. Define extreme events. What are the major extreme events associated with climate change ? 2+8
 12. Write short notes on any two : 5+5
 - (a) Copenhagen Summit 2009
 - (b) Green House Gas Inventory
 - (c) Green India Mission