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**MEV-024**

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

**Term-End Examination**

**December, 2021**

**MEV-024 : CLIMATE CHANGE**

**ASSESSMENT TOOLS**

*Time : 3 Hours*

*Maximum Marks : 100*

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*Note : Attempt any **ten** questions. All questions carries equal marks.*

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1. Give an account of the methods of analysing vulnerability. 10
2. Explain the steps involved in crop modelling. 10
3. Write short notes on the following : 5 each
  - (a) Contextual and outcome vulnerability
  - (b) Explanatory modelling
4. Give an account of the application of LCA. 10

5. Explain the strategies to enhance carbon sequestration. 10
6. Write short notes on the following : 5 each
  - (a) Electromagnetic spectrum
  - (b) Models of electromagnetic radiation
7. Discuss the interaction of electromagnetic radiation with the atmosphere and Earth surface. 10
8. Describe the applications of Geoinformatics in climate change studies using suitable examples. 10
9. Explain the concept and principles of early warning system. 10
10. Write short notes on the following : 5 each
  - (a) Climate change adaptation
  - (b) Disaster risk reduction
11. Write short notes on the following : 5 each
  - (a) Carbon isotopic fractionation during photosynthesis
  - (b) General Circulation Models

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12. Write short notes on the following : 5 each

- (a) Raster Data Model
- (b) Raster Data Analysis

13. Write short notes on the following :

2.5+2.5+5=10

- (a) Adaptive capacity
- (b) Sensitivity
- (c) Physical vulnerability

14. Give an account of crop model uncertainty analysis. 10