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MEV-024

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

Term-End Examination

June, 2024

**MEV-024 : CLIMATE CHANGE ASSESSMENT
TOOLS**

Time : 3 Hours

Maximum Marks : 100

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

1. Discuss the methods for analysing climate change vulnerability. 10
2. Write short notes on the following : 5+5=10
 - (a) Sensitivity
 - (b) Adaptive capacity
3. Write short notes on the following : 5+5=10
 - (a) Social vulnerability
 - (b) Climate variability

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4. Describe the structure of crop simulation models. 10
5. Write short notes on the following : 5+5=10
 - (a) Contextual vulnerability
 - (b) Outcome vulnerability
6. Write short notes on the following : 5+5=10
 - (a) Descriptive modelling
 - (b) Stochastic models.
7. Explain the applications of crop models. 10
8. What is GIS ? Explain the different components of GIS.
9. Write short notes on the following : 5+5=10
 - (a) Raster Data
 - (b) Vector Data model
10. What are the steps and feature of life cycle assessment ? Explain in detail. 10
11. Explain the different types of remote sensing. 10
12. Write short notes on the following : 5+5=10
 - (a) Carbon sequestration
 - (b) General Circulation models

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13. Discuss the role of geoinformatics in climate change studies. 10

14. Write short notes on the following : 5+5=10

(a) Climate change adaptation

(b) Electromagnetic Spectrum
