

POST GRADUATE CERTIFICATE IN CLIMATE CHANGE (PGCCC)

Term-End Examination

December, 2019

MEV-024 : CLIMATE CHANGE ASSESSMENT TOOLS

Time : 3 hours

Maximum Marks : 100

Note : (i) Answer any ten questions.
(ii) All questions carry equal marks.

1. What is vulnerability ? Explain the concept of vulnerability. 10
2. Write short notes on the following : 5+5=10
(a) Physical vulnerability
(b) Social vulnerability
3. Write short notes on the following : 5+5=10
(a) Crop simulation models
(b) Contextual and outcome vulnerability
4. Describe the components of vulnerability. 10
5. Explain the following : 5+5=10
(a) Descriptive modelling
(b) Explanatory modelling
6. What is crop model ? Give an account of applications of crop model. 10
7. Explain the following data models : 5+5=10
(a) Vector data model
(b) Raster data model
8. What is life cycle assessment ? Describe the stages of Life Cycle Assessment (LCA) study. 10
9. Write short notes on the following : 5+5=10
(a) General circulation models
(b) Regional climate models
10. What is carbon sequestration ? Explain the strategies to enhance carbon sequestration. 10

11. Write short notes on the following : 5+5=10
(a) Electromagnetic radiation
(b) Advantages and limitations of remote sensing
12. Explain the spectral signatures of common earth surface features. 10
13. Discuss about the different types of remote sensing. 10
14. Explain the role of satellite systems in disaster management. 10
-