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MEVE-011

**MASTER OF SCIENCE
(ENVIRONMENTAL SCIENCE)
(MSCENV)**

Term-End Examination

December, 2024

MEVE-011 : GLOBAL CLIMATE CHANGE

Time : 3 Hours

Maximum Marks : 100

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

1. Explain the anthropogenic drivers of climate
change. 10
2. Describe the structure and composition of
atmosphere. 10

3. What are the factors affecting the Earth's climate system ? Explain. 10
4. What is urban heat island effect ? Explain the characteristic features of urban heat island effect. 10
5. What is carbon sequestration ? Explain the strategies to increase carbon sequestration. 10
6. What are the different types of climate models ? Explain in detail. 10
7. Discuss the causes and impacts of deforestation. 10
8. What are the impacts of climate change on agriculture ? Explain. 10
9. Explain the negative impacts of climate change on the biological properties of ocean. 10

10. What are the sources of palaeoclimatic data ?

Explain. 10

11. Discuss the role of state government towards climate change mitigation and adaptation. 10

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

(a) Climate education

(b) Bioenergy

13. Describe the salient feature of Paris Agreement on Climate Change. 10

14. Describe the impacts of climate change on biodiversity. 10

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