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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

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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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