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MEVE-011

**M. SC. (ENVIRONMENTAL
SCIENCE) (MSCENV)
Term-End Examination
June, 2025**

MEVE-011 : GLOBAL CLIMATE CHANGE

Time : 3 Hours

Maximum Marks : 100

Note : (i) Answer any **ten** questions.

(ii) All questions carry equal marks.

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

(a) Radioactive forcing

(b) Difference between Climate change and
Climate variability

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2. What are greenhouse gases ? Explain the factors that affect the amount of energy flux received at the Earth's surface. 10
3. Explain the natural causes of climate change. 10
4. Explain the relationship between ozone and climate change. 10
5. Write short notes on the following : 5+5=10
- (a) El Nino and La Nina
 - (b) Monsoon Dependent Agriculture
6. What do you mean by urbanization ? Explain the impacts of urbanization on environment. 10
7. What is desertification ? Explain the causes of desertification. 10

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

(a) Kyoto Protocol

(b) Common but differentiated responsibilities

9. Discuss the salient features of National Action Plan on Climate Change. 10

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

(a) Glacier melting

(b) Ocean acidification

11. Explain the impacts of climate change on biodiversity. 10

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

(a) Ecosystem-based adaptation

(b) Bioenergy

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

(a) Climate education

(b) Extreme weather events

14. What is deforestation ? Explain the impacts
of deforestation on environment. 10

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