

**M. SC. (ENVIRONMENTAL
SCIENCE) (MSCENV)**

Term-End Examination

June, 2026

MEVE-011 : GLOBAL CLIMATE CHANGE

Time : 3 Hours

Maximum Marks : 100

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

(ii) All questions carry equal marks.

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1. Write short notes on the following : 5+5
 - (a) Ocean acidification
 - (b) Kyoto protocol
 2. Explain the causes and impacts of glacier melting. 10
 3. Write short notes on the following : 5+5
 - (a) Timber line
 - (b) Ecosystem based adaptation

4. Explain the different feedstocks for bio-energy production. 10
5. Explain the objectives and key features of Paris agreement on climate change. 10
6. Explain how climate education can reduce greenhouse gases emission. 10
7. What are palaeoclimatic data ? Discuss the sources of palaeoclimatic data. 2+8
8. Write short notes on the following : 5+5
 - (a) Climate during Precambrian
 - (b) Sustainable livestock rearing
9. Write short notes on the following : 5+5
 - (a) Impacts of deforestation
 - (b) Hydrological cycle
10. What are extreme weather events ? Explain the impacts of drought on agriculture. 2+8
11. Explain the global energy budget with a neat diagram. 10

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12. Explain the processes and consequences of desertification. 10

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

(a) El Nino

(b) Sunspot activity

14. What is urban heat island effect ? Explain the causes of urban heat island effect.

2+8

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