

**M.Sc. II SEMESTER [MAIN/ATKT] EXAMINATION  
JUNE - JULY 2024**

**GEOGRAPHY**

Paper - I

**[Climatology]**

*[Max. Marks : 75]*

*[Time : 3:00 Hrs.]*

*[Min. Marks : 26]*

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**Note :** Candidate should write his/her Roll Number at the prescribed space on the question paper.  
Student should not write anything on question paper.  
Attempt five questions. Each question carries an internal choice.  
Each question carries **15 marks**.

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**Q. 1** Introduce climate science and explain the subject area of climate science.

**OR**

Explain the composition of the atmosphere and its layers.

**Q. 2** What is Insolation ? Explain the factors affecting the distribution of solar heat on the surface.

**OR**

Explain the Earth's heat balance.

**Q. 3** What is Atmospheric Pressure ? Describe the distribution of air pressure belts on the surface and analyze their seasonal changes.

**OR**

What is meant by Air Masses ? Give details of the origin, classification and area of Air masses.

**Q. 4** What is Cyclone ? Explain the origin and characteristics of a temperate cyclone and the weather related to it.

**OR**

What is Humidity ? Explain the different types of humidity with examples.

**Q. 5** Discuss Thornthwaite's climate classification.

**OR**

Write a geographical article on Tropical Region ?