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25-GO-21

**M.Sc. II SEMESTER [MAIN/ATKT] EXAMINATION
MAY - JUNE 2025**

GEOGRAPHY

**Paper - I
[Climatology]**

[Max. Marks : 75]

[Time : 3:00 Hrs.]

[Min. Marks : 26]

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 all five questions. Each question carries an internal choice.
Each question carries **15 marks**.

Q. 1 Define Weather and Climate. Explain their elements in detail.

OR

Explain the vertical division of atmosphere with the help of diagram.

Q. 2 Explicate vertical as well as horizontal distribution of temperature on earth.

OR

Explain the Earth-Sun relationship with the help of diagram and its impact on seasons of Earth.

Q. 3 Analyze the tri-cellular model of atmospheric circulation.

OR

Elaborate the concept of Jet stream and their role in the origin of Indian Monsoon.

Q. 4 Discuss the origin and salient features of tropical cyclone along with its associated weather conditions.

OR

Write about the processes and forms of condensation.

Q. 5 Evaluate the climatic classification scheme of Koppen.

OR

Give a detailed account of mediterranean climate and biome.