

## UG 3rd Semester Examination 2021

### GEOGRAPHY (Honours)

Paper : DC-5(A)

CLIMATOLOGY

(CBCS)

The figure in the margin indicates full marks.

Full Marks :25

Time:2 Hours

Answer any **one** question.

1 × 10= 10

1. Discuss the structure of the atmosphere based on temperature variation. Illustrate your answer with suitable diagrams. 10
2. Define monsoon. Discuss the origin and development of monsoon in light of the Jet Stream Theory. 2+8=10

Answer any **three** questions.

3 × 5=15

3. Write about the importance of ozone layer in reference to biosphere.
4. What is lapse rate ? Distinguish between normal and adiabatic lapse rate. 2+3=5
5. Write a short note on inversion of temperature. 5
6. Explain the mechanism of orographic rainfall with suitable diagram. 5
7. What are the favourable geographical conditions for the origin and development of tropical cyclone? 5
8. State the basis of climatic classification after Koppen and mention demerits of his classification scheme. 2+3=5