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RNLKWC/IS/GEOGRAPHY/ C 05TH/21

End Semester Examination, 2021

Semester - III

GEOGRAPHY (Hons.)

PAPER - CC 05 TH, Climatology

Full Marks : 40

Time : 2 Hours

Group - A

Answer any one question : 1x10=10

1. Write down the life cycle of tropical cyclone.
Describe the relationship between jet stream and Indian monsoon.. 6+4=10
2. Elucidate the process of rain drop formation.

Group - B

Answer any four questions : 5x4=20

3. What are the various forces which affect the general circulation of wind ? 5
4. Mention the conditions required for condensation. 5
5. Discuss the heat budget of atmosphere. 5
6. Illustrate the mechanism of inversion of temperature.
7. Write the principles of Koppen's climatic classification.
8. Classify different forms of condensation formed at or near the ground surface.

(Turn Over)

Group - C

Answer any five questions : **2x5=10**

9. What is the importance of O₃ layer ? 2
10. Define the term occlusion. 2
11. Why are cloudy nights warmer than clear nights?
2
12. What are the importance of CO₂ in the
atmosphere ? 2
13. Define adiabatic lapse rate.
14. Write the characteristics of Am climate.
15. What is horse latitude.
16. Define pressure gradient.