2022

GEOGRAPHY — HONOURS

Paper: CC-5

(Climatology)

Full Marks: 50

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Group - A

Answer any five questions (each within 50 words).

 2×5

- 1. What is meant by albedo?
- 2. What is specific heat?
- 3. Define adiabatic lapse rate.
- 4. What do you understand by Greenhouse effect?
- 5. What are hygroscopic nuclei?
- 6. What is frontogenesis?
- 7. What is Geostrophic wind?

Group - B

Answer any four questions (each within 150 words).

5×4

- 8. Write down the characteristics of Stratosphere.
- 9. State the factors affecting insolation.
- 10. Distinguish between Katabatic and Anabatic wind.
- 11. Write a short note on Tricellular model.
- 12. What is the burst of monsoon?
- 13. What is meant by precipitation effectiveness?

Please Turn Over

Group - C

Answer any two questions (each within 500 words).

10×2

- 14. Assess the importance of Ozone layer in the atmosphere. Discuss the process of its formation and depletion.
- 15. Give an account of the vertical distribution of temperature in the atmosphere. Under what conditions do temperature distribution in the lowest stratum of the atmosphere get disturbed?
- 16. Explain the genesis and specify the characteristics of tropical cyclone.
- 17. What is air mass? Classify the global air masses and discuss in brief any one of them.