

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.
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