

2020

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.*

Category - A

Answer **any five** questions (each within **50** words).

2×5

1. What is albedo?
2. What is meant by 'ozone hole'?
3. What is Hadley Cell?
4. Define katabatic wind.
5. What is latent heat of evaporation?
6. What is frontogenesis?
7. Define atmospheric stability.

Category - B

Answer **any four** questions (each within **150** words).

5×4

8. Explain the adiabatic change of temperature.
9. Explain the concept of 'Greenhouse effect' on the atmosphere.
10. State the factors affecting insolation.
11. What do you understand by heat budget of the earth?
12. Which part of India receives rainfall in winter and why?
13. State the characteristics of a thunderstorm.

Please Turn Over

Category - C

Answer **any two** questions (each within **500** words).

10×2

14. What are the different layers in the atmosphere? Discuss the characteristics of the layers in the lower atmosphere. 2+8
 15. What is ‘inversion of temperature’? Discuss the different types of temperature inversion. 2+8
 16. Explain the genesis and specify the characteristics of tropical cyclone. 3+7
 17. What is air-mass? Classify the global air-masses and discuss in brief any one of them. 2+8
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