

S.No. 7406

PN 18 GR 1

(For candidates admitted from 2018–2019 onwards)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2023.

Geography

CLIMATOLOGY

Time : Three hours

Maximum : 100 marks

SECTION A — (10 × 2 = 20)

Answer ALL questions.

1. Water vapour
2. Insolation
3. Monsoon
4. Hadley cell
5. Wind lee ward region
6. Orographic rainfall
7. Typhoon
8. El Nino

- 9. Geoinformatics
- 10. Global warming

SECTION B — (5 × 7 = 35)

Answer ALL questions, choosing either (a) or (b).

- 11. (a) Explain the horizontal distribution of temperature.

Or

- (b) Explain shortly about importance of ionosphere.

- 12. (a) Explain shortly about ITCZ.

Or

- (b) What do you mean by westerlies?

- 13. (a) Write shortly about instability of atmosphere.

Or

- (b) Explain shortly about hydrological cycle.

- 14. (a) Give a short note about continental air masses.

Or

- (b) Explain shortly about impacts of La Nino.

- 15. (a) Give a short note about impacts of climatic change.

Or

- (b) Explain the applications of Geoinformatics in Climatology.

SECTION C — (3 × 15 = 45)

Answer any THREE questions.

- 16. Discuss in detail about insolation.
- 17. Elaborately explain about the atmospheric pressure belts.
- 18. What is cloud? Explain the various types of clouds.
- 19. Write a detailed essay about tropical cyclone.
- 20. Describe in detail about Koppens climatic classification.