

D 12017

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Name.....

Reg. No.....

THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2021

Geography

GRY 3B 03—CLIMATOLOGY

(2019—2020 Admissions)

Time : Two Hours and a Half

Maximum : 80 Marks

Section A*Answer at least **eight** questions.**Each question carries 3 marks.**All questions can be attended.**Overall Ceiling 24.*

1. Inversion of temperature.
2. Albedo.
3. Frontogeneses.
4. Paleoclimate.
5. Coriolis effect.
6. Hadley cell.
7. Annual range of temperature.
8. Solar radiation.
9. Cumulonimbus cloud.
10. Mistral.

(8 × 3 = 24 marks)

Turn over

Section B

*Answer at least **six** questions.*

Each question carries 6 marks.

All questions can be attended.

Overall Ceiling 36.

11. Briefly explain about ozone depletion.
12. Give a short note on formation of fronts.
13. Explain about anticyclone and its characteristics.
14. Briefly discuss about significance of water vapour in atmosphere.
15. What are the controlling factors of winds ?
16. Explain the climatic elements.
17. List out seasonal winds and explain ?
18. Write a short account on fog types.
19. Give a note on vertical distribution of temperature.
20. Briefly explain about the seasonal shifting of pressure belts.

(6 × 6 = 36 marks)

Section C

*Answer any **two** question.*

Each question carries 10 marks.

21. Explain greenhouse effect and global warming.
22. Discuss in detail about air mass source regions and classification.
23. Write a detailed account on the precipitation formation and types.
24. Describe horizontal and vertical distribution of pressure.

(2 × 10 = 20 marks)