

D 31801

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Name.....

Reg. No.....

**THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2022**

Geography

GRY 3B 03—CLIMATOLOGY

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

Part AI. Answer all *ten* of the following in about 50 words :

- 1 Define weather.
- 2 Diurnal and annual range of temperature.
- 3 Mention the factors controlling horizontal distribution of pressure.
- 4 Chinook.
- 5 Hydrologic cycle.
- 6 Write a note on significance of clouds.
- 7 Continental polar air mass.
- 8 Frontogenesis.
- 9 Anticyclone.
- 10 Ionosphere.

(10 × 2 = 20 marks)

Part BII. Answer any *eight* of the following in about 150 words.

- 11 Describe the significance of atmosphere.
- 12 Describe the factors controlling insolation.
- 13 Give a brief account on the factors controlling wind.
- 14 Briefly explain Orographic rainfall.

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- 15 Mention the factors controlling the rate of evaporation.
- 16 Prepare a note on different types of clouds.
- 17 Describe the types of air mass.
- 18 Explain the causes of climate change.
- 19 Describe the characteristic features of Westerlies.
- 20 Describe the significance of Troposphere.

(8 × 5 = 40 marks)

Part C

III. Answer any *one* of the following in about 300 words.

- 21 Give a detailed account of characteristic features of cyclones.
- 22 Explain the heat budget of atmosphere.
- 23 Give a detailed account of local winds.
- 24 Explain the formation and types of precipitation.

(2 × 10 = 20 marks)