



'সমানো মন্ত্র: সমিতি: সমানী'

UNIVERSITY OF NORTH BENGAL
B.A./B.Sc. Honours 3rd Semester Examination, 2023

CC5-GEOGRAPHY
CLIMATOLOGY

OLD SYLLABUS [For students with registration session 2018-2019 to 2020-2021]

Time Allotted: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.

SECTION- I

1. Answer any **five** from the following: 1×5 = 5
- (a) Doldrums
 - (b) Dew point
 - (c) Rossby waves
 - (d) Ferrel's Law
 - (e) Wall of the cyclone
 - (f) Homosphere
 - (g) ET-climate
 - (h) Solar Constant.

SECTION- II

Answer any three questions from the following 5×3 = 15

- 2. Write a short note on the composition of the earth's atmosphere.
- 3. Discuss briefly the factors affecting the global distribution of insolation and temperature.
- 4. Mention briefly the different forces affecting the circulation of winds.
- 5. Write a short note on different types of atmospheric humidity.
- 6. Discuss in brief, the favourable conditions for the genesis of tropical cyclone.

SECTION- III

Answer any two questions from the following 10×2 = 20

- 7. What is global warming? Describe the earth and atmospheric heat budget with suitable illustration. 2+8
- 8. Explain the thermal theory relating to origin and mechanism of monsoon. 10
- 9. Discuss in detail the different types of precipitation with suitable diagrams. 10
- 10. Describe the mode of origin of extra-tropical cyclone with suitable diagrams. 10

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