



'समानो मन्त्रः समितिः समानी'

UNIVERSITY OF NORTH BENGAL

B.A./B.Sc. Honours 3rd Semester Examination, 2022

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. Define any **five** from the following terms: 1×5 = 5
- (a) Atomic Oxygen layer
 - (b) Inversion of temperature
 - (c) Chinook
 - (d) Absolute Humidity
 - (e) Rossby wave
 - (f) Enhanced Greenhouse effect
 - (g) Exosphere
 - (h) Tornado.

SECTION- II

2. Answer any **three** questions from the following: 5×3 = 15
- (a) Write a short note on Ozone-depletion. 5
 - (b) Write a short note on Horizontal distribution of atmospheric pressure. 5
 - (c) Explain various forms of condensation with suitable example. 5
 - (d) Write a short note on the effect of extra tropical cyclones. 5
 - (e) Differentiate between air and wind with suitable examples. 5

SECTION- III

3. Answer any **two** questions from the following: 10×2 = 20
- (a) Write a brief note on Chemical Composition of Atmosphere. Illustrate the structure of atmosphere with suitable diagram. 3+7
 - (b) Explain how does atmospheric pressure control the planetary wind system of the world with suitable diagram. 10
 - (c) Attempt Koppen's scheme of climatic classification of the world. 10
 - (d) Write a short note on the influence of tropical cyclone in Asia-Pacific region. Illustrate the mechanism of Orographic rainfall. 5+5

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