



'समानो मन्त्रः समितिः समानी'

UNIVERSITY OF NORTH BENGAL
B.A./B.Sc. Honours 3rd Semester Examination, 2022

CC5-GEOGRAPHY (301)

MODIFIED SYLLABUS

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) Molecular Nitrogen Layer
 - (b) Albedo
 - (c) Condensation Nuclei
 - (d) Dry Adiabatic Lapse Rate
 - (e) Af Climate
 - (f) Heat Equator
 - (g) Specific Humidity
 - (h) ITCZ.

SECTION-II

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

- 2. Write down the characteristics of Troposphere. 5
- 3. Differentiate between ground inversion and upper air inversion with reference to various types of inversion of temperature. 5
- 4. Discuss the various processes of condensation with suitable examples. 5
- 5. Analyse Jet Stream Theory of Monsoon. 5
- 6. How does ENSO affect the global weather phenomena? 5

SECTION-III

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

- 7. What is Insolation? Describe about the factors affecting insolation. 2+8
- 8. Define the term 'Precipitation Effectiveness'. Briefly discuss the process of Orographic Rainfall with special reference to "Rain Shadow Zone". 2+8
- 9. Explain the basis of Koppen's scheme of classification of world climate. 10
- 10. Describe the mode of origin of Tropical Cyclone with suitable diagrams. 10

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