



'সমানো মন্ত্র: সমিতি: সমানী'

UNIVERSITY OF NORTH BENGAL

B.A./B.Sc. Honours 3rd Semester Examination, 2021

CC5-GEOGRAPHY (305)

CLIMATOLOGY

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) E Layer | 1 |
| (b) Albedo | 1 |
| (c) Counter Radiation | 1 |
| (d) Doldrum | 1 |
| (e) Pressure Gradient | 1 |
| (f) ITCZ | 1 |
| (g) Environmental Lapse Rate | 1 |
| (h) MONEX. | 1 |

SECTION- II

2. Answer any *three* questions from the following: 5×3 = 15
- | | |
|--|---|
| (a) Mention the controlling factors of insolation. | 5 |
| (b) Write a short note on 'Inversion of temperature'. | 5 |
| (c) Write in brief on Vertical distribution of atmospheric temperature. | 5 |
| (d) Write on shifting of pressure belts in short. | 5 |
| (e) Distinguish tropical cyclones from extra-tropical cyclones in short. | 5 |

SECTION- III

3. Answer any *two* questions from the following: 10×2 = 20
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|--|---------|
| (a) Elaborate heat budget of earth and atmosphere with suitable diagrams | 10 |
| (b) Explain planetary wind systems of the earth and illustrate with suitable diagrams. | 10 |
| (c) Explain in brief any two theories regarding the origin of Monsoon. | 5+5 =10 |
| (d) Illustrate the origin and formation of extra-tropical cyclones. | 4+6 =10 |

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