



'সমানো মন্ত্র: সমিতি: সমানী'

UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 5th Semester Examination, 2022

DSE-P1-GEOLOGY

EARTH AND CLIMATE

Time Allotted: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.

1. Write short notes on any **five** of the following: 1×5 = 5
 - (a) Dew Point
 - (b) Humidity
 - (c) Albedo
 - (d) Thermohaline Circulation
 - (e) Cyclone
 - (f) Altocumulus clouds
 - (g) 'Cs' type of climate
 - (h) ITCZ.

2. Answer any **three** questions from the following: 5×3 = 15
 - (a) Describe how you can get information about palaeoclimate using Oxygen isotopes.
 - (b) Describe atleast five types of local winds from around the world.
 - (c) Describe the different types of rainfall found on Earth using diagrams.
 - (d) Explain the occurrence of Indian monsoon.
 - (e) Describe the different types of Cyclones found on Earth.

3. Answer any **two** questions from the following: 10×2 = 20
 - (a) Describe Milankovitch Cycle and its importance. 10
 - (b) Explain Koeppen's scheme of climate classification with examples. 10
 - (c) With the help of a suitable diagram, describe the Atmospheric circulation of heat. 10
 - (d) With the help of suitable diagram, explain how does Earth maintain its Energy balance? 10

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