



'समानो मन्त्रः समितिः समानी'

UNIVERSITY OF NORTH BENGAL
B.Sc. Honours 5th Semester Examination, 2021

DSE-P2-GEOLOGY

EARTH AND CLIMATE

Time Allotted: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.

1. Answer any **five** questions of the following: 1×5 = 5
 - (a) Albedo
 - (b) Climate
 - (c) Trade winds
 - (d) Dew point
 - (e) Humidity
 - (f) Cyclone
 - (g) Thermohaline circulation
 - (h) 'Bwh' type of climate.

2. Answer any **three** questions from the following: 5×3 = 15
 - (a) Discuss the structure of the atmosphere. 5
 - (b) Discuss the factors affecting temperature distribution on the earth. 5
 - (c) Briefly explain the concept of Global Warming and how it is affecting our Earth. 5
 - (d) How does Earth maintain its energy balance? 5
 - (e) Describe different components of climate system. 5

3. Answer any **two** questions from the following: 10×2 = 20
 - (a) Explain Koeppen's Scheme of climate classification. 10
 - (b) Describe Milankovitch cycle and its importance. 10
 - (c) Describe Atmospheric circulation of heat. 10
 - (d) Describe the different types of rainfall of Earth. 10

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