

DHANAMANJURI UNIVERSITY

BA 3rd SEMESTER (CBCS)

2021

DECEMBER

GEOGRAPHY (Hons)

CGG-205

CLIMATOLOGY

Full Mark: 100

The figures in the margin indicate full marks for the questions.

Answer all questions.

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| 1. Explain the various thermal structures of the atmosphere. | 12 |
| 2. Define “insolation” . Describe its controlling factors on surface of the earth. | 4 + 8=12 |
| 3. hat do you mean by atmospheric pressure? Illustrate the planetary pressure belts. | 2+10=12 |
| 4. Give an account of the scheme of classification of world climate made by Koppen. | 12 |
| 5. How will you define the tropical cyclone ? Explain the prerequisite conditions for its development. | 4 + 8=12 |
| 6. Explain the tri- cellular meridional circulation model of the atmosphere. | 12 |
| 7. Select any three and write about them . | 3 x 6=18 |
| a). heat budget of the atmosphere | |
| b). jet stream | |
| c). climatic region | |
| d). monsoon | |
| 8. What is wind? | 2 |
| 9. What is relative humidity? | 2 |
| 10. Define negative lapse rate. | 2 |
| 11. What is an anticyclone? | 2 |
| 12. What is climatology? | 2 |
