



COOCH BEHAR PANCHANAN BARMA UNIVERSITY
B.A. Honours 3rd Semester Examinations, 2022

GEOGRAPHY
CLIMATOLOGY
CORE-5



Time Allotted: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.

GROUP-A

Answer any one question from the following

15×1 = 15

1. Define atmosphere. Briefly describe the layered structure of atmosphere along with its composition with suitable diagram. 3+12
2. Differentiate between planetary and periodic wind system. Discuss the global planetary wind system. 3+12
3. Define Precipitation. What are the different types of precipitation? State the Collision-Coalescence Theory of precipitation with appropriate diagram. 2+5+8

GROUP-B

Answer any one question from the following

10×1 = 10

4. State the factors influencing horizontal distribution of temperature.
5. Write a short note on heat budget of the earth.
6. Discuss in brief about Tricellular Meridional Circulation.

GROUP-C

Answer any one question from the following

5×1 = 5

7. What is T/E Index?
8. What is frontogenesis?
9. What is inversion of temperature?

GROUP-D



1×10 = 10

10. Answer any *ten* questions from the following:
- (i) What is the full form of ITCZ?
 - (ii) Which region of India is usually affected by Tropical cyclone?
(a) Hilly region (b) plateau region (c) inland region (d) coastal region
 - (iii) The planetary wind that flows between the sub-tropical highs and equatorial low is known as
(a) Polar easterlies (b) Trade wind (c) Westerlies (d) Chinook
 - (iv) Which of the following is a local wind of USA?
(a) Chinook (b) Foehn (c) Harmattan (d) Mistral
 - (v) Which is the full form of PET?
 - (vi) Define vapour pressure.
 - (vii) Define specific humidity.
 - (viii) Which latitudinal belt is known as “roaring forties”?
 - (ix) The cyclonic storm of China is popularly known as _____.
 - (x) ALR means _____.
 - (xi) Amount of CO₂ in the atmosphere is _____.
 - (xii) Occlusion forms in Anticyclone / Cyclone / Temperate Cyclone / Norwester
 - (xiii) ‘C’ type of climate indicates _____ type of climate.
 - (xiv) Define absolute humidity.
 - (xv) Give an example of High cloud.

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