

### 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	$15 \times 1 = 15$
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	$10 \times 1 = 10$
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	$5 \times 1 = 5$
7.	What is T/E Index?	
8.	What is frontogenesis?	
9.	What is inversion of temperature?	

## UG/CBCS/B.A./Hons./3rd Sem./Geography/CCGEOH5/2022

#### GROUP-D

10.	Answer any ten questions from the following:	$1 \times 10 = 1$
(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 CO <sub>2</sub> 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.	