Roll No.												

PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations – October 2025

Date: 10-10-2025 **Time:** 02.00pm to 03.30pm

School: SOE	**Program:** B. Tech	
Course Code : CIV2045	**Course Name:** Environmental Meteorology	
Semester: V /III	**Max Marks**: 50	**Weightage**:25%

CO - Levels	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**
Marks	**36**	**14**			

Instructions:

(i) Read all questions carefully and answer accordingly.

(ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 2marks. **5Q x 2M=10M**

1	What is Equinox?	**2 Marks**	**L1**	**CO1**
2	Define Local Climate Zones (LCZ)	**2 Marks**	**L1**	**CO1**
3	What is Insolation?	**2 Marks**	**L1**	**CO1**
4	Define Relative Humidity (RH)	**2 Marks**	**L1**	**CO2**
5	What is thermal inversion?	**2 Marks**	**L1**	**CO2**

Part B

Answer the Questions. **Total Marks 40M**

6.	a.	The Köppen climate classification is the most widely used type. Enlist and explain the Köppen climate classes with code, description and examples of location.	10 Marks	L2	CO1
		Or			

7.	a.	Solstice is the point in Earth's orbit when the Sun reaches its greatest distance north or south of the equator. Distinguish Summer Solstice and Winter Solstice	10 Marks	L2	CO1

8.	a.	Air temperature refers to the degree of heat or coldness in the surrounding atmosphere. Discuss the warming and cooling of air near ground during day and night time.	15 Marks	L2	CO2
		Or			
9.	a.	Air temperature is a fundamental aspect of weather and climate. Enlist and explain the factors affect air temperature.	15 Marks	L2	CO2

10.	a.	An energy budget is a system that balances incoming energy against expenditure or loss for a given entity, whether it's an organism, an ecosystem, or the Earth as a whole. Depict the earth energy balance or energy budget with schematic figure.	15 Marks	L3	CO1
		Or			
11.	a.	A daily weather forecast involves the work of thousands of observers and meteorologists all over the world. Identify the types of weather forecasting are in practice and explain them.	15 Marks	L3	CO1