PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations – October 2025

Date: 09-10-2025   **Time:** 09.30am to 11.00am

School: SOCSE	**Program:** B. Tech	
Course Code: CIT2500	**Course Name**: FOG COMPUTING FOR IoT	
Semester: V	**Max Marks**: 50	**Weightage**: 25%

CO - Levels	CO1	CO2	CO3	CO4
Marks	**26**	**24**	-	-

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 the primary goal of Fog Computing?	2 Marks	L1	CO1
2	List any two characteristics of Fog Computing	2 Marks	L1	CO1
3	Outline any two benefits of MEC Model	2 Marks	L2	CO1
4	Name two communication technologies commonly used in Fog Computing.	2 Marks	L1	CO2
5	What is LPWAN and how is it used in Fog Computing?	2 Marks	L1	CO2

Part B

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

6.	a.	Explain the Resource Management and Edge Orchestration	10 Marks	L2	CO1
		Or			

7.	a.	Describe the varies deployment strategies and its description of Fog Computing with suitable diagrams	10 Marks	L2	CO1

8.	a.	Illustrate how to apply the hierarchy between Fog and Edge Computing to enhance efficiency in real-time data processing	10 Marks	L2	CO1
		Or			
9.	a.	Differentiate Cloud Vs Edge Vs Fog(min 10 points)	10 Marks	L2	CO1

10.	a.	Describe in detail on IEEE 802.11 Standard architecture with appropriate diagrams.	10 Marks	L2	CO2
		Or			
11.	a.	Explain the role of communication and network models in Fog Computing.	10 Marks	L2	CO2

12.	a.	Illustrate the key components of the 5G architecture, and how do they interact to deliver enhanced network services?	10 Marks	L2	CO2
		Or			
13.	a.	Classify the various short-range technologies used in WPAN and its applications,	10 Marks	L2	CO2