

CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY
FACULTY OF TECHNOLOGY AND ENGINEERING
Seventh Semester of B. Tech (CSE) Examination
Unit Test – I
CS449: Internet of Things

Date: 24.08.2023, Thursday**Time: 10:10 a.m. To 11.10 a.m.****Maximum Marks: 30****Instructions:**

- (i) Attempt **all** the questions.
- (ii) Figures to the right indicate **full** marks.
- (iii) Make suitable assumptions and draw neat figures wherever if required.

Q-1	Answer the following questions [ANY TWO].			[10]
CO 2	U,K	A	List and Explain Features of IOT Gateway.	
CO 2	U,A	B	Draw and Explain Reference model IOT Gateway.	
CO 2	U	C	Explain about role of fog computing in IOT.	
Q-2	Answer the following questions [ANY FOUR].			[20]
CO 2	U, A	A	Explain the relationships among People, things, Data and Process to achieve IoT.	
CO 1	A, AN	B	What is the role of communication standards in IoT system? Do comparison between ZigBee and Wi-Fi.	
CO 2	U, AN	C	What is RFID? Explain RFID working through data flow architecture. What are the types of RFID tag?	
CO 1	E	D	Draw a diagram of domain interconnection in M2M architecture. List out area of application of M2M with briefing.	
CO 3	C	E	What is MQTT protocol? Draw neat and clean data flow diagram for the protocol.	
CO 2	U	F	How can IoT help in building of smart system for agriculture? Write your answer with supporting hardware may required to build the system.	

