Roll No: | | | | | | | | | | | |

PRESIDENCY UNIVERSITY

GAIN MORE KNOWLEDGE
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Bengaluru

Mid Term Examinations - October 2026

Date: 09/10/2026 **Time:** 09:30 AM - 11:00 AM

Course Code: CSE2276 **Course Name:** Introduction to IoT

Semester: Fifth Semester **Max. Marks:** 50 **Weightage:** 50%

CO - Levels	CO1	CO2
Marks	36	54

PART A: Answer Following Questions. 10 M

Q.N.	Questions	M	CO	BT
1	Explain the any two function of actuators in IoT devices.	2	CO1	BT2
2	Differentiate between Sensors and Actuators.	2	CO1	BT2
3	List any two roles of Microcontrollers in IoT.	2	CO1	BT2
4	Name any one Advantage and limitation of Wi-Fi in IoT.	2	CO2	BT2
5	What is LoRaWAN in IoT systems?	2	CO2	BT2

PART B : Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
6	Discuss Security and Privacy Issues in IoT Systems.	10	CO1	BT2
7	Explain the Role of Gateways and Middleware in IoT Architecture.	10	CO1	BT2

PART C: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
8	Explian Edge Computing, Fog Computing and Cloud Computing in IoT.	10	CO1	BT2
9	Discuss the Challenges and Future Scope of IoT Technologies.	10	CO2	BT2

PART D: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
10	Explain Short-Range and Long-Range Communication Technologies	10	CO2	BT2
11	Compare Bluetooth and Zigbee Technologies. Differentiate between Wi-Fi and LoRaWAN.	10	CO2	BT3

PART E: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
12	Explain MQTT Protocol Architecture.	10	CO2	BT2
13	Compare MQTT and CoAP and Discuss the Advantages of CoAP in IoT Applications	10	CO2	BT3