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

PRESIDENCY UNIVERSITY

GAIN MORE KNOWLEDGE
REACH GREATER HEIGHTS

Presidency University Act, 2013 of the Karnataka Act No. 41 of 2013 | Established under Section 2(f) of UGC Act, 1956
Approved by AICTE, New Delhi | Approved By BCI
Bengaluru

Mid Term Examinations - October 2026

Date: 05/10/2026 **Time:** 11:45 AM - 01:15 PM

Course Code: CIT3413 **Course Name:** Industrial IoT (IIoT)

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

CO - Levels	CO1	CO2
Marks	46	44

PART A: Answer Following Questions. 10 M

Q.N.	Questions	M	CO	BT
1	**What is edge computing in IIoT?**	2	CO1	BT2
2	**What is a Digital Twin?**	2	CO1	BT2
3	**Mention any two applications of IIoT in agriculture.**	2	CO1	BT2
4	**What is the role of the Edge/Fog Computing Layer?**	2	CO2	BT2
5	**What is real-time performance in IIoT?**	2	CO2	BT2

PART B : Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
6	**Explain predictive maintenance using IIoT.**	10	CO1	BT2
7	**Explain how IIoT transforms traditional industries into smart industries.**	10	CO1	BT2

PART C: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
8	**Explain the role of AI, Big Data, cloud computing and edge computing in IIoT.**	10	CO1	BT2
9	Explain IIAF and differentiate it from IIoT Reference Architecture.	10	CO1	BT2

PART D: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
10	**Explain the data flow through Edge, Platform and Enterprise tiers.**	10	CO2	BT2
11	Explain how the IIoT Reference Architecture can be applied to a smart manufacturing system.	10	CO2	BT2

PART E: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
12	**Explain the Physical/Device Layer and Connectivity/Network Layer of IIoT architecture.**	10	CO2	BT2

13	**Explain the Data/Platform Layer and Application/Service Layer in IIoT architecture.**	10	CO2	BT2