(Please write your Enrolment No. immediately)   Enrolment No. _____

MID TERM EXAMINATION

B.TECH PROGRAMMES (UNDER THE AEGIS OF USICT)

VI Semester, April, 2024

Paper Code: ICE-328T   Subject: Introduction to Internet of Things

Time: 1½ Hrs.   Max. Marks: 30

Note: Attempt Q. No. 1 which is compulsory and any two more questions from remaining.

Q. No.	Question	Max. Marks	CO(s)
1.(a)	Define the concept of IoT.	2	CO1
(b)	Differentiate between a sensor and an actuator.	2	CO2
(c)	Explain the meaning of "Things" in IoT.	2	CO1
(d)	Mention two types of actuators used in IoT based control applications.	2	CO2
(e)	What is M2M in context of IoT systems?	2	CO1
2.(a)	What are the Major Components of IoT System? Discuss in detail.	5	CO1
(b)	Explain one application of IoT based system with block diagram and explain its sequence of operation.	5	CO1
3.(a)	Explain the issues related to standardization of IoT.	5	CO2
(b)	Discuss the challenges and threats associated with application of IoT.	5	CO1
4.(a)	Explain the concept and need of Arduino based development platform.	5	CO2
(b)	Discuss the types of sensors along with examples for use in IoT based applications.	5	CO2