School of Engineering

B.TECH Electronics and Communication Engineering in Artificial Intelligence and Machine
Mid Term Examination - May 2024

Duration : 90 Minutes
Max Marks : 50

Sem IV - G2UD401T - IoT Technology and Applications

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1)	Differentiate functional view and operational view of IoT Design methodology.	K2 (2)
2)	What is the difference between M2M and IoT?	K1 (3)
3)	Summarize on the need of microcontroller in embedded system.	K2 (4)
4)	With a neat sketch, explain the push-pull communication model of IoT.	K2 (6)
5)	Compare the protocols associated with transport layer of IoT.	K3 (6)
6)	Explain the mechanisms for handling information in IoT systems.	K3 (9)
7)	Discuss the standards need to be considered in building an IoT architecture?	K4 (8)
8)	Design a basic arduino board and explain the procedure for installing and setting up of IDE.	K4 (12)

OR

	Analyze and explain in detail Programming arduino with proteus by giving suitable example. Also elaborate arduino interfaces.	K4 (12)