

Enroll No

K.E.Society's
Rajarambapu Institute of Technology, Rajaramnagar
(An Empowered Autonomous Institute, affiliated to SUK)

Unit Test -I (2025-26)

Q.P. Code
UT 3032

T.Y. B. Tech.-Electronics & Telecommunication Engineering

Course Code: OE357

Course Name: Internet of Things

Day & Date: Wednesday 13/08/2025

Time: 2:30 To 3:30

Max Marks- 25

- Instructions:**
- 1) All questions are compulsory.
 - 2) Figures in rounded () brackets within the question, indicate the scheme of marking for respective part of the question, whereas, figures in the first right column indicate total marks for that whole question.
 - 3) CO is the index number of the Course Outcome statement.
 - 4) The Bloom's taxonomy level (BL) for 1,2,3,4,5 and 6 is remember, understand, apply, analyze, evaluate and create respectively.
 - 5) Assume suitable data if necessary.
 - 6) Use of non-programmable calculators is allowed

			Marks	BT Level	COs
Q.1	A	Define Internet of things(2) and explain with its functional blocks in detail (5).	7	2	2
	B	Describe publish-subscribe model of IoT communication (3) with the help of block diagram (3).	6	4	1

OR

Describe exclusive pair model of IoT communication (3) with the help of block diagram (3).

Q.2	A	Compare between IOT and M2M.	6	4	2
	B	Illustrate the challenges faced in implementing M2M communication in real-world applications.	6	4	3

OR

Illustrate how M2M technologies can improve productivity, efficiency, and predictive maintenance in a manufacturing environment (2 Marks each)

