

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE –
RAIGAD -402 103
Semester Examination – OCT 2022

Branch: Electronics and Telecommunication Engineering

Sem.:- II

Subject with Subject Code:- Internet of Things (MTETE255A, MTECE255A, MTEEE255A, MTESE255A, MTDEC255A)

Marks: 60

Date:- 21/10/2022

Time:- 3 Hr.

Instructions to the Students

1. Each question carries 12 marks.
2. Attempt **any five** questions of the following.
3. Illustrate your answers with neat sketches, diagram etc., wherever necessary.
4. If some part or parameter is noticed to be missing, you may appropriately assume it and should mention it clearly

	(Marks)
Q.1 A) Explain in brief: IoT Frame work.	(06)
B) Explain various Benefets of implementing IoT.	(06)
Q.2 A) Explain 4 main stages of the IoT architecture layout	(06)
B) Explain major advantages of IoT in healthcare.	(06)
Q.3 What is RFID and how does it work? Explain the components of RFID. How are RFID used with IoT Devices?	(12)
Q.4 A) How to protect IoT systems and devices?	(06)
B) What is RF4CE? State Characteristics of Zigbee RF4CE.	(06)
Q.5 A) What are the aspects and key components of IoT Governance?	(06)
B) What are the IoT Governance challenges related to future trends? Explain in breif.	(06)
Q.6 A) What are the major applications of IoT in Creating Smart Cities?	(06)
B) What are the benefits of using a smart meter?	(06)