

BACHELOR OF TECHNOLOGY (CBCS) (2020 COURSE)
B.Tech.Sem - VII COMPUTER SCIENCE & ENGINEERING : WINTER :
2023

SUBJECT : ITC-V: INTERNET OF THINGS

Day : Monday

Time : 02:30 PM-05:30 PM

Date : 11/12/2023

W-24342-2023

Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Assume suitable data if necessary.

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- Q.1** Explain IOT communication model with its type with diagram. (10)
OR
Explain RFID services with its application.
- Q.2** Explain zigbee architecture in detail with diagram. (10)
OR
Write short note on:
a) CMP
b) RPL
c) COAD
- Q.3** Explain MQTT protocol with example. What is the role of MQTT protocol in IOT application? (10)
OR
Discuss about transport layer protocol in IOT with diagram.
- Q.4** Discuss the global context of M2M towards IOT. (10)
OR
What are the protocol standardization for IOT? Explain benefit of IOT standard.
- Q.5** What are the challenges or risk associated with IOT. (10)
OR
With neat diagram explain smart parking system using IOT.
- Q.6** Explain various concept involved in Raspberry pie. (10)
OR
Explain software libraries for internet connectivity devices.

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