

BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)
B. Tech. Sem - VII Computer Science & Engineering : WINTER: 2025
SUBJECT: ITC-V: INTERNET OF THINGS

Day : Wednesday
Date : 17/12/2025

W-25603-2025

Time : 02:30 PM-05:30 PM
Max. Marks : 60

N.B.

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

- Q.1** Explain RFID services with its application in detail. (10)
OR
Explain IOT communication model with its type with diagram.
- Q.2** Write short note on: (10)
a) CMP
b) RPL
c) COAD
OR
What impact could IPV6 have on IOT? Difference between IPV4 and IPV 6.
- Q.3** Discuss about transport layer protocol in IOT with diagram. (10)
OR
Explain MQTT protocol with example. What is the role of MQTT protocol in IOT application?
- Q.4** What are the protocol standardization for IOT? Explain benefit of IOT standard. (10)
OR
Discuss the global context of M2M towards IOT.
- Q.5** With neat diagram explain smart parking system using IOT. (10)
OR
What are the challenges or risk associated with IOT? Explain in detail.
- Q.6** Explain software libraries for internet connectivity devices. (10)
OR
List and explain various concept involved in Raspberry pie.

* * * *