

BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)
B. Tech. Sem - VI Computer Science & Engineering AI & ML : SUMMER : 2025
SUBJECT: INTERNET OF THINGS

Day : Monday
Date : 26/05/2025

S-23972-2025

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 **WHEREVER** necessary.
- 4) Draw neat diagrams **WHEREVER** necessary.

- Q. 1 Explain Consumer IOT Vs Industrial IOT. (10)
OR
- Q. 1 Explain Functional blocks of IOT. (10)
- Q. 2 Describe IOT reference architecture with neat diagram. (10)
OR
- Q. 2 Write Short notes on: (10)
a) Data Ingestion
b) Data Processing pipelines.
- Q. 3 Explain Internet Protocol and Transmission Control Protocol. (10)
OR
- Q. 3 Explain RFID and NFC. (10)
- Q. 4 Describe STOMP and AMQP protocols. (10)
OR
- Q. 4 Explain HTTP and Web Socket protocols. (10)
- Q. 5 Define IOT Analytics and IOT analytics challenges. (10)
OR
- Q. 5 What is Linked Analytical Data and how to manage Data lakes? (10)
- Q. 6 What is IIOT? Explain it with use cases. (10)
OR
- Q. 6 Explain Similarities and differences between IOT and IIOT. (10)
