

BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)
B. Tech. Sem - VI COMPUTER SCIENCE & ENGINEERING-A&M : SUMMER : 2024
SUBJECT: INTERNET OF THINGS

Day : Friday
Date : 24/05/2024

S-23972-2024

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 What is IoT? Explain Conceptual Framework of IoT in details. (10)
OR
Q.1 Write a short note on Smart Objects, Sensors and Actuators. (10)
- Q.2 Explain IoT reference architecture with neat diagram. (10)
OR
Q.2 Explain OSI-7 layer Architecture. (10)
- Q.3 Describe Zigbee Protocol Stack using IEEE 802.15.4. (10)
OR
Q.3 Write short note on BLE, LiFi, RFID and NFC. (10)
- Q.4 Explain IoT application layer protocol : HTTP, CoAP. (10)
OR
Q.4 Explain STOMP, AMQP protocol and compare the same. (10)
- Q.5 Define IoT Analytics, what are challenges of IoT analytics? Explain IoT analytics for cloud. (10)
OR
Q.5 What is Data Set? How to manage Data lake. (10)
- Q.6 What is Internet of Behavior (IoB) and explain in details its role in Customer Services. (10)
OR
Q.6 Write a short note on Environment and Agriculture with respect to IoT prototyping. (10)
