

B. TECH. (COMPUTER SCIENCE & BUSINESS SYSTEMS) (CBCS - 2018 COURSE)
B.Tech. (CSBS) Sem - VII : WINTER : 2023
SUBJECT : INTRODUCTION TO IoT

Day : Wednesday

Date : 13-12-2023

W-20482-2023

Time : 02:30 PM-05:30 PM

Max. Marks : 60

N.B:

- 1) All questions are **COMPULSORY**.
- 2) Figures to indicate **FULL** marks.
- 3) Draw neat and labeled diagram **WHEREVER** necessary.
- 4) Assume suitable data if necessary.

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- Q.1 Compare consumer IoT and Industrial IoT. (10)
- OR
- Q.1 Explain the role of use cases in IoT. (10)
- Q.2 How does data processing pipelines are used to process IoT data? (10)
- OR
- Q.2 Explain the role of IoT Gateways in IoT network. (10)
- Q.3 What is the role of IoT in Industrial appliances? Explain in detail. (10)
- OR
- Q.3 How does sensors are integrated with IoT boards? Consider real time example to explain. (10)
- Q.4 What is Modbus? Mention Industrial network protocols. (10)
- OR
- Q.4 What is zigbee? Explain some proximity networking technologies. (10)
- Q.5 How does IoT supports message encoding? Explain in detail. (10)
- OR
- Q.5 Compare TCP/IP and UDP/IP in IoT. (10)
- Q.6 How does data summarization is done in IoT? Explain in detail. (10)
- OR
- Q.6 How does noisy and missing data is managed in IoT? Explain in detail. (10)

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