

B. TECH. (COMPUTER SCIENCE & BUSINESS SYSTEMS) (CBCS - 2018 COURSE)
B.Tech. (CSBS) Sem - VII : WINTER- 2022
SUBJECT : INTRODUCTION TO IoT

Day : Monday

Time : 02:30 PM-05:30 PM

Date : 19-12-2022

W-20482-2022

Max. Marks : 60

N.B.:

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

Q.1 What kind of information do Internet of Things(IoT) objects communicate? (10)

OR

Q.1 Explain different characteristics of IoT. (10)

Q.2 What are the digital and physical value creation layers in an IoT Applications? Explain. (10)

OR

Q.2 Mention the advantages of IoT design methodology contrast to traditional designing of IoT. (10)

Q.3 What are the different types of sensors used in IoT network? Elaborate. (10)

OR

Q.3 Explain in detail about Industrial IoT. (10)

Q.4 Which protocol is used to link all the devices in the IoT? Discuss. (10)

OR

Q.4 List and explain various application layer protocols for the IoT. (10)

Q.5 Implement the Air pollution monitoring system using Web Socket approach. (10)

OR

Q.5 Design a weather monitoring IoT system using REST based. (10)

Q.6 Summarize and discuss various methods used to deal with noisy and missing data. (10)

OR

Q.6 Explain with suitable example Time Series Data with characteristics. (10)
