

**BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)**  
**B. Tech. Sem - VIII Computer Science & Engineering : SUMMER : 2025**  
**SUBJECT: INDUSTRIAL IOT**

Day : Thursday  
Date : 29/05/2025

**S-25616-2025**

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** Discuss in detail Hardware platforms, Raspberry Pie. Explain issues of IOT (10)

**OR**

**Q.1** Which are the Network and communication technologies can be used to implement and IOT application? Explain in detail. (10)

**Q.2** What is Industrial IOT for smart manufacturing? Explain in detail. (10)

**OR**

**Q.2** Write Introduction IP V4 and IPV6 in detail. (10)

**Q.3** Draw and explain the architecture of IOT. (10)

**OR**

**Q.3** Discuss in detail HART and RFID. (10)

**Q.4** What are the SCADA (Supervisory control data acquisition)? Explain in detail. (10)

**OR**

**Q.4** Discuss in detail Wireless Sensor Networks and Sensor Node. (10)

**Q.5** What are the challenges for the Industrial Internet of things? Explain in detail. (10)

**OR**

**Q.5** Discuss in detail smart city application of IOT. (10)

**Q.6** Explain the application of IIOT in smart logistics management. With any one example. (10)

**OR**

**Q.6** Explain implementation of IOT with Raspberry Pie. (10)

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