

Seat No. **OCT-NOV 2025 WINTER EXAMINATION****1154 B.Tech. CBCS****Sub. Name: Internet of Things****Sub. Code: 92003****Day and Date: Monday ,15-12-2025****Total Marks: 70****Time: 02:30 PM To 05:00 PM**

Instructions: 1. Assume suitable data wherever necessary and mention it boldly
2. Draw neat labelled diagrams wherever necessary
3. Figures to the right indicate full marks

Special Inst.: Solve any four questions from Q. No. 1 to Q. No. 5 and Q. No. 6 is compulsory

- Q1)** Attempt the following questions [15]
a) Explain what is IoT and the importance of internet in IoT (8 Marks)
b) Draw and Explain components of RFID (7 Marks)
- Q2)** Attempt the following questions [15]
a) Explain connecting node, networking node (8 Marks)
b) Explain interoperability and scalability characteristics of IoT in detail (7 Marks)
- Q3)** Attempt the following questions [15]
a) What is WSN? Explain in detail with its challenges (8 Marks)
b) Smart metering in IoT explain in detail (7 Marks)
- Q4)** Attempt the following questions [15]
a) Draw a neat diagram of the RFID reader (8 Marks)
b) How IoT is useful in e-health/Body area network (7 Marks)
- Q5)** Attempt the following questions [15]
a) Explain cellular and mobile Technology with its limitation (8 Marks)
b) Explain Sensor Technology in detail with its limitation (7 Marks)
- Q6)** Write a short note on: (Any 2) [10]
a) Raspberry Pi
b) IEEE 802.15.6
c) NFC Technology

End Of Question Paper

Important Note for Chief Exam Officer / SRPD Coordinator / Sr Supervisor/ Student -

This Question Paper may be distributed for following Subjects as common code.

सदरची प्रश्नपत्रिका खालील विषयांकरिता वितरित करता येईल.

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