

Total No. of Questions : 4]

SEAT No. :

P8493

[Total No. of Pages : 1

Oct-22/BE/Insem-81

B.E. (Electronics Engineering)

INTERNET OF THINGS

(2019 Pattern) (Semester - VII) (404204A) (Elective - III)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates :

- 1) Answer Q.1 or Q.2, Q.3 or Q.4.
- 2) Figures to the right side indicate full marks.
- 3) Assume suitable data, if necessary.

- Q1)** a) What is Internet of Things? State its characteristics. [4]  
b) What are different challenges in IoT? Elaborate each challenge. [5]  
c) Explain physical design of IoT with neat diagram. [6]

OR

- Q2)** a) Define Embedded system by giving example. [4]  
b) What are Sensors and Actuators. Compare Sensors and Actuators. [5]  
c) What are technical building blocks of IoT. Explain each block in detail. [6]

- Q3)** a) What is SCADA. Draw block diagram of SCADA and explain the function of each block. [7]  
b) Why security is required in IoT? Explain different security issues and challenges in IoT. [8]

OR

- Q4)** a) Explain features of MQTT. Explain in detail various components used in MQTT. [7]  
b) What is mean by vulnerabilities in IoT. Explain any 6 vulnerabilities in detail. [8]

