

Total No. of Questions : 4]

SEAT No. :

P5240

[6188]-195

[Total No. of Pages : 1

B.E. (Electronics & Telecommunication) (Insem)

MODERNIZED IOT

(2019 Pattern) (Semester - VII) (Elective - III) (404184 E)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) *Answer Q.1 or Q.2, Q.3 or Q.4.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right side indicate full marks.*
- 4) *Assume Suitable data if necessary.*

- Q1)** a) State the characteristics of IoT and explain the logical and physical design of IoT. [8]
- b) Define the Internet of Things (IoT) and Internet of Everything (IoE). Highlight the key differences between the two. [7]

OR

- Q2)** a) Define Sensor and Actuator. List five sensors and five actuators used in IoT. [7]
- b) Explain Request-Response and Exclusive pair communication model in detail. [8]
- Q3)** a) Write difference between LAN and WAN. [4]
- b) Explain different service models of Cloud computing. [6]
- c) State the difference between IoT and M2M. [5]

OR

- Q4)** a) Write a note on M2M and IoT analytics. [8]
- b) Describe the role of devices and gateways in IoT technology. How do they contribute to the overall architecture? [7]

❧ ❧ ❧