

Total No. of Questions : 8]

PB3638

[6261]-46

S.E. (AI & DS)

INTERNET OF THINGS

(2019 Pattern) (Semester- IV) (217529)

SEAT No. :

[Total No. of Pages :2

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Attempt Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.
- 2) Draw Neat and Clean Diagram.
- 3) Assume suitable data if necessary.

Q1) a) Explain Request Response model, Publish Subscribe model and Push/Pull Model? [9]

b) Justify how Retail Sector impacting on end to end user by integrating IOT technology. [9]

OR

Q2) a) Explain in brief Telematics and Telemetry model? [10]

b) How is security a big concern in IOT? What kind of development is there in market to make IoT more secure? [8]

Q3) a) Explain SNMP and NETCONF in detail. [8]

b) Explain the IOT system working block with the help of Control units, Communication Modules and Sensors? [9]

OR

Q4) a) Draw IOT protocol structure and explain IPv4, 6LoWPAN in detail?[9]

b) How information is exchanged in real time without human intervention?[8]

P.T.O.

Q5) a) Explain how you will design an energy management system in a commercial building using IoT. [10]

b) Elaborate on how you will use IoT for remote healthcare. [8]

OR

Q6) a) What is the Web of things (WOT)? Draw and explain the cloud of things architecture. [10]

b) What is Industrial IoT? How is it different from Conventional IoT? [8]

Q7) a) Explain Smart home and Smart city applications in view of IoT. [10]

b) How will IoT be used to protect environmental loss? [7]

OR

Q8) a) Explain use of IoT in the agriculture field. Explain it with a case study.[10]

b) Write a note on Industrial IoT. [7]

