

Total No. of Questions : 8]

PD4087

SEAT No. :

[Total No. of Pages : 2

[6402]-47

S.E.(AIDS)

INTERNET OF THINGS

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

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 diagrams.
- 3) Assume suitable data, if necessary.
- 4) Figures to the right indicate full marks.

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) What are some common networking devices used in the internet of Things (IoT) ecosystem? **[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]**

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

P.T.O.

Q6) a) Describe the need of semantic web technology and business impacting IoT? [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]

