

Total No. of Questions : 10]

SEAT No. :

P3148

[5154]-710-D

[Total No. of Pages : 2

B.E. (Information Technology)

INTERNET OF THINGS

(2012 Pattern) (Semester -II) (Elective-IV) (End Sem.)

Time : 2½Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Answers Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8, Q.9 or Q.10.*
- 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) Explain EPC Global Architecture frame work. **[5]**

b) Explain in detail HLSA IoT framework. **[5]**

OR

Q2) a) Explain in detail IoT Architecture with neat diagram. **[6]**

b) Write in detail Application of Internet of Things. **[4]**

Q3) a) What are the challenges and issues in RFID system. **[5]**

b) What are basic components of sensor network? **[5]**

OR

Q4) a) Discuss various components of RFID system. **[5]**

b) Explain Environment, Traffic characteristics of IoT. **[5]**

Q5) a) Explain in detail design guidelines for Internet of Things. **[8]**

b) What is Identity management in Internet of Things? Explain any 2 Identity management techniques of Internet of Things. **[10]**

OR

P.T.O.

- Q6)** a) Explain in detail clustering principal in Internet of Things. [8]
b) Explain in detail data synchronization techniques in Internet of Things. [10]

- Q7)** a) Why security required in IoT? Explain in detail various security model in Internet of Things. [10]
b) What is threat analysis in Internet of Things? Explain detail threat analysis. [8]

OR

- Q8)** a) What is Internet of Things security tomography? Explain in detail layered attacker mode? [10]
b) Explain in detail access control and message integrity of Internet of Things. [8]

- Q9)** a) Write in detail business model scenario for Internet of Things. [6]
b) Explain in detail application of Internet of Things in city automation and home automation. [8]

OR

- Q10)** a) Write applications of Internet of Things for e health body area network. [6]
b) Explain in detail business model and business innovation in internet of Things. [8]

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