P2370

[5254] - 700-D
B.E. (I.T.)
INTERNET OF THINGS (Elective - IV)
(2012 Pattern)

Time :3 hours]   *[Max. Marks :70*

Instructions to the candidates:

1) *Attempt Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8, Q9 or Q10.*
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 Overview and Motivation for Internet of Things. **[6]**

     b) Discuss area of development and standardization in Internet of Things.**[4]**

OR

Q2) a) Discuss any two example of Internet of Things. **[6]**

     b) What types of things get connected in IoT? **[4]**

Q3) a) Explain security and QoS for WSN **[6]**

     b) Explain the working principle of RFID **[4]**

OR

Q4) a) What is RFID? Discuss various types of RFID **[6]**

     b) Write short note on WSN. **[4]**

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

     b) Explain in detail Software Agents for Object Representation and Data Synchronization for IoT. **[10]**

OR

Q6) a) What is clustering? Explain in detail clustering in Internet of Things. **[8]**

     b) Explain in detail user - centric identity management, device centric identity management. **[10]**

Q7) a) What is threat analysis in Internet of Things? Explain in detail with examples. **[10]**

b) What is vulnerabilities of Internet of things? Explain in detail. **[8]**

OR

Q8) a) Why security required in IoT? Explain in detail various security model in Internet of Things. **[10]**

b) Explain in detail security tomography and layered attacker model in Internet of Things. **[8]**

Q9) a) What are advanatages of business model scenario for Internet of Things. Explain in detail business model scenario for Internet of Things. **[8]**

b) Explain in detail value creation in Internet of Things. **[6]**

OR

Q10) a) What is smart metering? Explain in detail Advanced Metering Infrastructure of Internet of things. **[6]**

b) Explain in detail how Internet of things is used in automotive applications and smart cards. **[8]**

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