

Total No. of Questions : 10]

SEAT No. :

P2370

[Total No. of Pages : 2

**[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]

**P.T.O.**

- 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 advantages 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]

