

Total No. of Questions : 10]

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SEAT No. :
[Total No. of Pages : 2

**B.E. (Computer Engineering)
WEB TECHNOLOGY**

(2012 Pattern) (Semester - II) (End Sem.) (410451B) (Elective - III)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8, and Q9 or Q10.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Assume suitable data, if necessary.

Q1) a) What is the difference between IoT, IoE and M2M?

[6]

b) What are the Risks to a Smart City IoT Platform?

[4]

OR

Q2) a) What is Internet of things with its elements?

[6]

b) Which four pillars support Internet of things.

[4]

Q3) a) Explain, how SMARTIE strengthen security, privacy and trust at different IoT Layers.

[8]

b) Write uses of smart transportation?

[2]

OR

Q4) a) What are four aspects in business to Master IoT.

[8]

b) Write functionality of sensor node.

[2]

Q5) a) Explain the difference between Data Interoperability and Semantic Interoperability?

[8]

b) What are the standardization related to IoT? Explain the importance of Standardization with respect to Internet of Things.

[8]

OR

Q6) a) Describe the Dimensions of Interoperability briefly.

[8]

b) Explain in detail the deployment scenario for OGC sensor web enablement.

[8]

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Q7) a) Explain why identity management is important in IoT. Discuss Identity portrayal in detail. [8]

b) Discuss the difference between Local identity and Network identity. [8]

OR

Q8) a) Explain [10]

i) User-centric identity management

ii) Device-centric identity management

b) Explain the need of identity management in Internet of Things. [6]

Q9) a) Write Short Note on Identity Trust Paradigms w.r.t. : [12]

i) Third Party Approach

ii) Public Key infrastructure?

b) Explain the difference between Attribute certificate and public key certificate. [6]

OR

Q10) a) Write short note on [12]

i) Web of trust models

ii) Fuzzy approach for trust

b) Explain the Authentication and Access control policies w.r.t. to IoT. [6]



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