Total No. of Questions : 10]

SEAT No. :

P3118

[Total No. of Pages :2

[5154]-685

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]**

P.T.O.

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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