

[4959] - 1165
B.E. (Computer Engineering)
Web Technology
(2012 Pattern) (Elective - III (b)) (Semester - II)

2 1/2 Hours]

Instructions to the candidates:

[Max. Marks : 70

- 1) Answer 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) Figures to the right indicate full marks.
- 3) Neat diagrams must be drawn wherever necessary.
- 4) Assume suitable data if necessary.

- Q1) a) How Home Management can be done using IOT. [4]
- b) Explain security concern of IOT. [4]
- c) Write a short note on: Vision of IOT. [2]

OR

- Q2) a) How IOT helps in Future Industry Development. [4]
- b) Explain privacy policies in IOT. [4]
- c) Write short Note on : IOT Standardization. [2]

- Q3) a) Write IOT Applications. [4]
- b) Defend : Smart cities via Data Aggregation. [6]

OR

- Q4) a) Explain Data Management in IOT. [6]
- b) Short note : Value Creation from Big Data and Serialization. [4]

P.T.O.

- a) Justify importance of Standardization in IOT. [6]
- b) Explain Research Roadmap for IOT Testing Methodologies. [6]
- c) Lists the IOT semantic interoperability challenges. [6]

OR

- a) Why is the OGC involved in Sensor Webs for IOT? [6]
- b) Explain the need of common architectural ground for IOT. [6]
- c) Write short note on: M2M service layer standardization. [6]

- Q7)
- a) Identity management in IOT. [6]
 - b) Differentiate user-centric identity management and device-centric identity management. [6]
 - c) Explain high level view of Local Identity Management model. [4]

OR

- Q8)
- a) Write short note on: Federated Identity and Global Web Identity. [6]
 - b) Elaborate identity portrayal in IOT. [6]
 - c) With diagram explain Identifier format for things. [4]

- Q9)
- a) Explain the challenges of authentication in IOT. [8]
 - b) Explain different web of trust model with respect to : Web services security, SAML approach and Fuzzy approach for Trust. [8]

OR

- Q10)
- a) Explain the trust management life cycle. [8]
 - b) Explain the relationship between trust and access control. [6]
 - c) Write short note on : SAML components. [2]

