SEAT No. :

P1342

BE/Insem/APR-257

B.E. (Information Technology)

UBIQUITOUS COMPUTING

(2015 Pattern) (Semester - II)

Time : 1 Hour] *[Max. Marks : 30*

Instructions to the candidates:
1) *Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6.*
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 the concepts of Ubiquitous Computing **[5]**

b) Explain the properties of Pervasive / Ubiquitous Computing systems.**[5]**

OR

Q2) a) Explain Ubiquitous System Environment Interaction **[4]**

b) Draw and Explain Architectural Design of Ubiquitous Computing Systems: Smart DEI Model. **[6]**

Q3) a) Explain in details service provision life cycle. **[6]**

b) What are the smart devices under iHCI and HPI? **[4]**

OR

Q4) a) Explain Distributed data storage. **[4]**

b) What is goal of device network? What are types of device network? Explain in details. **[6]**

Q5) a) What are characteristics of Sensors? **[4]**

b) Explain life cycle for Tagging Physical Objects. **[6]**

OR

Q6) a) Explain RFID tags and its types. **[6]**

b) Write short note on Simple PID-Type Controllers. **[4]**

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