

Total No. of Questions : 6]

SEAT No. :

P1342

[Total No. of Pages : 1

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]

