

Total No. of Questions : 6]

SEAT No. :

P1342

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**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]

