

Total No. of Questions :10]

P3459

SEAT No. :

[Total No. of Pages : 2

[5670]-735

B.E. (Information Technology)
UBIQUITOUS COMPUTING
(2015 Pattern) (Semester – II) (End Sem)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8, Q9 or Q10.
- 2) Neat diagrams must be drawn whenever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume suitable data, if necessary.

Q1) a) Explain Ubiquitous computing application and scope. [5]
b) What are the core properties of UbiComp? Explain in details. [5]

OR

Q2) a) Explain Architectural Design for UbiComp System: Smart DEI model [5]
b) Explain Distributed ICT system in details. [5]

Q3) a) Explain Service Provision Life Cycle. [5]
b) Write short note on virtual machines. [5]

OR

Q4) a) Explain Tags and its Types and characteristics of tags. [5]
b) Write a short note on Embedded System & Real Time System. [5]

Q5) a) Write a short note on Multi-Model Visual Interface. [6]
b) Explain human Centered Design Life Cycle. [6]
c) Write a short note on Mobile Hand-Held Device Interface. [4]

OR

Q6) a) Explain Direct and Indirect User input and Modeling. [6]
b) Write a short note on Multiple Tasks-based computing. [6]
c) Explain Personal Computer Interface. [4]

Q7) a) Explain Ubiquitous Computing Privacy in details. [8]
b) What is legal background for Maintaining UbiComp Privacy? [8]

OR

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Q8) a) Explain Solove's Taxonomy of Privacy. [8]
b) What are the challenges to privacy for ubiquitous computing? [8]
Q9) a) Explain Network Protocol Suites in details. [6]
b) Write a short note on Routing & Internetworking. [6]
c) Explain PSTN Voice Network. [6]

OR

Q10) a) Write a short note on wireless data Network (any three) [12]
i) WLAN & WiMAX
ii) Bluetooth
iii) ZigBee
iv) Infrared

b) Explain Service Oriented Network. [6]

