SEAT No. :

P1883

[4859]-1078

[Total No. of Pages :2

B.E. (Computer Engineering)
PERVASIVE COMPUTING
(2012 Pattern) (Elective - II) (Semester - I) (410445 B)

Time :2½ Hours.]

[Max. Marks :70

Instructions to the candidates:

1) Neat diagrams must be drawn wherever necessary.

2) Figures to the right indicate full marks.

3) Assume suitable data, if necessary.

Q1) a) Explain any two location management techniques in mobile computing.**[6]**

b) Discuss following technologies related to Pervasive Computing: **[4]**

i) Memory

ii) Processors

OR

Q2) a) Explain the concept of caching in mobility. **[6]**

b) Explain Smart Buildings and Home automation. **[4]**

Q3) a) Explain the concept of Mobile IP. **[6]**

b) Explain the concept of Hidden UI. **[4]**

OR

Q4) a) Explain Human centered Design Life cycle. **[6]**

b) Explain perfecting in mobility management. **[4]**

Q5) a) Explain Context aware computing and various types of contexts with example. **[10]**

b) Explain Different services that should be provided by middleware in pervasive applications. **[8]**

OR

Q6) a) What is Mobile Middleware? Explain Adaption in Mobile Middleware.**[10]**

b) Explain the concept of 'Agent' related to mobile middleware and services offered by Agent. **[8]**

Q7) a) Explain the traditional security issues in pervasive applications. **[10]**

b) Explain Detectability and Resource depletion in Wireless Network. **[6]**

OR

Q8) a) Explain various security issues in Ad Hoc Networks. **[10]**

b) Explain "Man in the middle" attack in detail. **[6]**

Q9) a) Explain Social Networking and Media Exchange Example for smart interactions. **[10]**

b) Explain various issues related to distributed systems interaction to be more intelligent. **[6]**

OR

Q10) Write notes on: **[16]**

a) Wearable computer

b) Cyber Physical Systems

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