SEAT No. :

P271

B.E./INSEM/APR-598
B.E. (Information Technology) (Semester - II)
414463 : UBIQUITOUS COMPUTING
(2015 Pattern)

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

Instructions to the candidates:
  1) *Attempt Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6.*
  2) *Assume suitable data if whenever necessary.*
  3) *Figures to the right side indicate full marks.*

Q1) a) Explain the UbiCom System Model and SMART DEI Model. **[6]**

     b) Outline five core properties that characterize UbiCom System. **[4]**

OR

Q2) a) Explain Ubiquitous system Environment Interaction. **[6]**

     b) What is transparency? What is openness? Are they complementary to each other? **[4]**

Q3) a) What is CCI? Discuss smart boards, pads and tabs as CCI Devices?

                                                       [6]

     b) Explain Mobile Middleware with example. **[4]**

OR

Q4) a) What is Mobile agent? Give Architecture of Mobile Agent? **[6]**

     b) Discuss SMART DUST and TINY OS. **[4]**

Q5) a) Explain MEMS functionality with suitable architecture. **[6]**

b) Compare and Contrast Tags Versus Sensors. **[4]**

OR

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

b) Define the main element of ROBOT. **[4]**

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