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SEAT No. :

P271

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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]

P.T.O.

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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