

SEAT No. :

[Total No. of Pages : 2

B.E./Insem.-589

**B.E. (Computer Engineering)
PERVASIVE COMPUTING
(2012 Pattern) (Elective -II)**

[Max. Marks : 30

Hour]

ions 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 wherever necessary.
- 3) Figures to the right side indicate full marks.

Discuss holistic framework for ubicom. [6]
 Write short note on calm computing. [4]

OR

What do you understand by context? Discuss context-awareness. [6]

What is Embodied reality? Differentiate with virtual, augmented & mediated reality. [4]

What is CCI? Discuss smart boards, pads, and tabs as CCI devices. [4]
 Discuss Mann's three criteria for wearable computers. Whether laptops, mobile phones & wrist-watch information devices fulfill these criteria? [6]

OR

What is ambient intelligence? Discuss. [4]
 Consider how the cooltown model could be deployed beneficially at work and home. [6]

Why it is important to study HCI for ubiquitous computing. [4]
 Discuss the limitations in input and output capabilities of handheld mobile communication devices. [6]

P.T.O

B.E./Insem.-589

Q6) a) Discuss the use of explicit human interaction for the human activities like - [6]

- i) Preparing a meal
- ii) Washing clothes

b) Discuss Human-Centered Design. [4]

