

Total No. of Questions : 6]

SEAT No. :

P120

[Total No. of Pages : 2

Oct.-16/B.E./Insem.-179

B.E. (Comp. Engg.)

PERVASIVE COMPUTING

(2012 Pattern) (Elective - II(b))

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) *Answer Q1 or Q2, Q3 or Q4, Q5 or Q6.*
- 2) *Figures to the right side indicate full marks.*

Q1) Define and explain the following Terms :

[10]

- a) Ambient intelligence
- b) Calm computer
- c) Context awareness
- d) Wearable computing
- e) Pervasive computing

OR

Q2) a) Discuss holistic framework for UbiCom.

[6]

b) What is Embodied Reality? Differentiate with virtual, Augmented & Mediated Reality.

[4]

Q3) a) What is HCI? Explain with suitable example.

[6]

b) Write a short note on Palm Operating System.

[4]

OR

Q4) a) What is mobile middleware? Explain.

[4]

b) Discuss Mann's three criteria for wearable computing. Whether laptops, mobile phones, wrist watch information devices fulfill these criteria. **[6]**

P.T.O.

Q5) How to use eHCI in some common types of devices and i HCI in mobile and static devices that are not permanently attached to Humans. [10]

OR

Q6) a) Discuss the use of explicit HCI for the human activities like : [6]

i) Preparing a meal

ii) Washing cloths

b) Discuss Human Centered Design. [4]

