Total	No.	of Questions : 10] SEAT No. :	
P20	44	[Total	No. of Pages : 2
120	77	[5059]-649	
		B.E. (Computer Engineering)	
		PERVASIVE COMPUTING	
		(2012 Pattern) (Elective - II) (Semester -	<b>I</b> )
Time	: 21/2	½ Hours] [M	lax. Marks : 70
Instr	uctio	ions to the candidates:	
	1)	Neat diagrams must be drawn wherever necessary.	
	2)		
	3)	Assume suitable data if necessary.	
Q1)	a)	Define HCI. Explain explicit and implicit HCI.	[6]
	b)	Explain Human-to-Human Interaction (HHI) applications	[4]
		OR	
Q2)	a)	Explain wearable computer interaction.	[6]
	b)	Explain Pervasive games and social physical spaces.	[4]
			th arramala [6]
Q3)	a)	•	
	b)	Explain mobile middleware with example.	[4]
		OR	
04)	a)	Explain the types of context aware applications and steps:	for developing

(24) a) Explain the types of context aware applications and steps for developing context aware applications.
(6) Explain application aware adaptation architecture.

Q5) a) Explain mobile and wireless security issues. [10]

b) Explain in detail:

[8]

- i) Replay attacks
- ii) Traffic analysis

OR

P.T.O.

Q6)	a)	Explain the concept of 'Agent' related to mobile middleware and services offered by Agent. [10]		
	b)	Explain the various problems with GSM security. [8]		
Q7)	a)	Explain smart Human-Device Interaction in detail. [10]		
	b)	Explain Human intelligence versus machine intelligence. [6]		
		OR		
Q8)	Wr	Write notes on: [16]		
	a)	Eco friendly Ubicom Devices		
	b)	Cyber Physical Systems		
Q9)	a)	a) Explain the Social Networking for smart interactions with examples.[10]		
	b)	How distributed systems interaction to be more intelligent? Explain. [6]		
OR				
Q10)	a)	Explain various security issues in Ad Hoc Networks. [10]		
	<b>h</b> )	Explain Wearable computers in detail [6]		

