

Reg.No. \_\_\_\_\_



**Karunya UNIVERSITY**

(Karunya Institute of Technology & Sciences)  
(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

**End Semester Examination – Nov/Dec – 2016**

**Code : Pervasive Computing**  
**Sub. Name : 14CS3071**

**Semester : 2016-17 ODD**  
**Duration : 3hrs**  
**Max. marks : 100**

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

Q. No.	Sub Div.	Questions	Course Outcome	Marks
1.	a.	Elaborate on the principles underlying Pervasive Computing.	CO1	10
	b.	Explain in detail how the on-card and off-card communication happens in smart cards.	CO1	10
<b>(OR)</b>				
2.		Describe in detail about the smart sensors and actuators.	CO1	20
3.		Why security is required in home networking? Explain the various types of home networking.	CO1	20
<b>(OR)</b>				
4.		Elucidate in detail about the functionalities of Windows CE operating system.	CO1	20
5.		Explain about WAP 1.1 architecture.	CO1	20
<b>(OR)</b>				
6.		Connectivity is a challenge in Pervasive environment. Describe how Bluetooth helps in terms of connectivity.	CO1	20
7.		Pervasive computing plays an important role in healthcare. Justify with two relevant scenarios.	CO1	20
<b>(OR)</b>				
8.		Why service discovery is required? Explain how UPnP helps in service discovery.	CO1	20
<b><u>Compulsory:</u></b>				
9.		List the various synchronization solutions. Explain in detail about syncML.	CO1	20

ALL THE BEST