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

**Karunya University**

**(Karunya Institute of Technology and Sciences)**

(Declared as Deemed to be University under Sec.3 of the UGC Act, 1956)

**End Semester Examination – April/May-2013**

**Subject Title: MOBILE COMPUTING AND COMMUNICATION Time: 3 hours**

**Subject Code: 09IT304 Maximum Marks: 100**

**Answer ALL questions (5 x 20 = 100 Marks)**

1. Discuss in detail about CSMA, DAMA, MACA and ISMA with suitable diagrams.

(OR)

2. With a neat diagram explain GSM system architecture.

3. Explain the user scenarios, physical layer and MAC layer aspects of Bluetooth.

(OR)

4. Explain about WATM handover requirements and types of handover.

5. Discuss on Indirect and snooping TCP with neat diagrams.

(OR)

6. Describe the architectures to enhance web access for mobile clients.

7. Explain smart sensors and actuators, smart appliances and home computing in detail.

(OR)

8. Discuss in detail about pervasive computing and the issues related to it.

9. **Compulsory**:

Explain Palm OS and Symbian OS in detail.