Code No: C5506

R09

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.Tech I Semester Examinations March/April-2011
WIRELESS LANS AND PANS
(EMBEDDED SYSTEMS)

Time: 3hours   **Max.Marks:60**

Answer any five questions
All questions carry equal marks
- - -

1. Discuss about the technical issues in wireless communications.   [12]

2. Explain the WLAN Components with examples.   [12]

3. Write about PMD and PLCP layers in IEEE 802.11 Infrared WLAN Standard with neat
    diagrams.   [12]

4. What are the unlicensed frequency bands used for WLANs and how the channel
    allocation is done in IEEE 802.11a standard?   [12]

5. What are the attacks against WLANs and explain the security measures.   [12]

6.   Explain IEEE 802.15.3 high rate WAPNs with respect of protocol stack and network
    topology.   [12]

7. Discuss about the IEEE 802.16 WiMAX standard and its protocol stack in detail. [12]

8. Explain the Routing Protocols in Ad-Hoc Wireless networks   [12]

****