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
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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]

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