R09

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.Tech II - Semester Examinations, March/April 2011
WIRELESS NETWORKS
(COMPUTER NETWORKS AND INFORMATION SECURITY)

Time: 3hours   Max. Marks: 60

Answer any five questions
All questions carry equal marks
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1.   Explain the characteristics of wireless medium?   [12]

2. a)   What are the applied wireless transmission techniques?
   b)   Compare the various modulation schemes used in wireless networks?
                                                                                [12]

3.   In wireless medium access, explain:
        a)   Fixed-assignment for voice-oriented networks
        b)   Random access for data-oriented networks   [12]

4. a)   Discuss the various wireless network topologies?
   b)   Explain the signal-to-interference ratio calculation in wireless networks?
   c)   What is the shape of a cell? Explain?   [12]

5. a)   Explain the radio resources and power management in wireless networks?
   b)   What are security issues in wireless networks? Explain?   [12]

6.   Explain WAP architecture and components?   [12]

7. a)   Describe physical layer of Blue tooth?
   b)   What are the security and Networking issues of Blue tooth –Explain them?
                                                                                [12]

8. a)   Explain the WLAN configurations?
   b)   Describe IEEE802.11 standards?   [12]

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