

R09

Code No: C6308, C2506, C6206

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M.Tech I - Semester Examinations March/April-2011

WIRELESS NETWORKS AND MOBILE COMPUTING

(COMMON TO IMAGE PROCESSING, SOFTWARE ENGINEERING, WEB TECHNOLOGIES)

Time: 3hours

Max.Marks:60

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

- - -

1. (a) Write about the different categories of Wireless Networks.
(b) Discuss the Infrastructure of Ad-hoc Networks. [12]
2. (a) Explain the GSM Architecture with neat diagram.
(b) Brief about the GSM Addressing mechanism. [12]
3. Explain the agent advertisement and discovery process in IP based Mobile Networks. [12]
4. Compare the Indirect TCP and Mobile TCP in transport layer of mobile networks. [12]
5. Explain the multimedia object transfer protocol in detail. [12]
6. (a) Explain the protocol architecture of WAP.
(b) Explain the functions of Link manager in Bluetooth. [12]
7. What are the different types of markup languages discuss WML and Voice XML in detail. [12]
8. (a) Write short notes on WAP Security.
(b) What is Smart client security and how it is used in mobile environment. [12]
