

M.G.M's College of Engineering, Nanded
Department of Computer Science & Engineering

Assignment 1

Date: 17 Feb 2014

Mobile Computing

BE CSE 1 & 2

1. Explain the various applications of wireless network.
2. Write a short note on: wireless devices- past, present and future
3. Write a short note on : Open research challenges in wireless communication
4. Explain various features of android operating system
5. Write a short note on following operating systems : a] Symbian OS b] Windows CE
6. Write a short note on: Various frequencies used for radio communication
7. Explain various scenarios which motivates the need for specialized MAC in wireless network; Explain hidden and exposed node and near and far terminal problem
8. Explain the concept of cellular network; Write a short note on Frequency reuse
9. Write a short note on: a] Space division multiplexing b] Frequency division multiplexing
10. Write a short note on : a] Fixed TDMA b] Polling mechanism
11. Write a short note on: a] Classical Aloha b] Slotted Aloha
12. Write a short note on following TDMA schemes: a] Demand assigned multiple access b] packet reservation multiple access
13. Explain the CSMA/CA scheme for wireless network; How to solve the hidden and exposed node problem with RTS/CTS extension
14. compare between the following TDMA schemes: Fixed TDMA, Aloha, Reservation TDMA
15. Write a comparison of: SDMA/TDMA/FDMA/CDMA
16. Explain various modulation techniques; write a note on FSK, ASK, PSK.

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Subject Incharge

