KFUPM - COMPUTER ENGINEERING DEPARTMENT

COE-543 – Mobile Computing and Wireless Networking
Assignment 3 – Due date: Jan 7th, 2007

- Chapter 4: 4.4 (20 points), 4.7 (40 points)
- Chapter 5: 5.4 (problem 5.3 is of great interest) (40 points)
- Problem4 (100 points):

Describe the *network architecture* and *main characteristics* for 3GPP releases: 99, 4, 5, 6, 7, and 8. Submit your answer in power point slides as a minimum of 2 slides per release. Make sure you include the network architecture schematic and to define main network entities. If you are using figures that are not yours make sure you provide the full reference and you import them as enhanced meta files. Figures done in power point or Visio are preferred. You can start from:

http://www.3gpp.org/specs/releases.htm

http://www.umtsworld.com/technology/overview.htm

http://www.nmscommunications.com/DevPlatforms/OpenAccess/Technologies/3G324MandI PVideo/3GTutorial.htm (one of the most cited tutorials on 3G development – a little bit old though)

Save your power point file using the following naming convention: Assign3_Prob4_YourFirstName_YourID.ppt. Email a compressed softcopy of the power point slides (not pdf) to ashraf@ccse.kfupm.edu.sa