King Fahd University of Petroleum and Minerals
College of Computer Sciences and Engineering
Department of Computer Engineering

COE 547/CSE 552 – Network Management (T141)

Homework # 04 (*due date & time: Wednesday 10/12/2014 during class period*)

*** Show all your work. No credit will be given if work is not shown! ***

Problem # 1 (25 points): Solve problem **4** from chapter 6 of the 2nd edition of the textbook.

Problem # 2 (15 points): Solve problem **5** (**part (b) only**) from chapter 6 of the 2nd edition of the textbook. Note that you should limit your leaf for *ipAddrTable* (not *ipTable*) to *ipAdEntAddr* object.

Problem # 3 (20 points): Solve problem **7** from chapter 6 of the 2nd edition of the textbook. Note that for part (a), show a figure similar to Fig. 6.19 in the textbook.

Problem # 4 (10 points): Solve problem **8** from chapter 6 of the 2nd edition of the textbook.

Problem # 5 (20 points): Solve problem **10** (**parts (a) and (b) only**) from chapter 6 of the 2nd edition of the textbook. Note that part (a) you need to show the total exchange in terms of number of messages, but only show the **details** of the first and the last exchange. Also, for part (b) you need to show the **value** of only the first and the last VarBind pairs in the *Response* message.

Problem # 6 (10 points): Solve problem **11** from chapter 6 of the 2nd edition of the textbook. Note that the reset following a failure results in a **coldStart**. Also, the SNMPv2 Trap PDU must show the value of the enterprise that is sending the notification.