

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

COE 499 – Wireless Sensor Networks (T072)

Homework # 01 (due date & time: Tuesday 11/03/2008 during class period)

Late homework submission will NOT be accepted

*** Show all your work. No credit will be given if work is not shown! ***
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Problem # 1 (25 points): Solve problem 2.1 on page 28 of the textbook. Assume that the transmission events are independent. Consider the problem under 2 scenarios: no retransmissions, and with retransmissions.

Problem # 2 (25 points): Solve problem 2.5 on page 29 of the textbook.

Problem # 3 (25 points): Solve problem 2.6 on page 29 of the textbook. Note that the m and n are each any integer between 1 (not 0) and 10.

Problem # 4 (25 points): Solve problem 2.7 on page 29 of the textbook.