

## **Fall 2011**

### **Assignment#3**

1. Describe the Collision Free Protocol Binary Countdown for medium access. Illustrate the protocol if the contending nodes are 11011, 11000, 110111, 10111, and 01111. Draw the diagram.
2. Explain the Adaptive Tree Walk Protocol.
3. Explain the role of hop counter in Flooding Algorithm for Routing.
4. Hierarchical Routing example given in your book. In a table list all 9 routes from the following three sources 1A, 1B and 1C to following three destinations 5B, 5D and 5E. Which of those are optimum and which are not?

Please submit a **HARDCOPY** of your assignment in Class on the due date (No electronic submission).