

Turn in all Numbered Problems

For CPE 548: problems 1,2, 3 and 4 are worth 3 points each

1) Chapter 2 Text Book Problem 36 (Acks and packets can both propagate on the channel at the same time. With a SWS = 4, in part b the initial send is 4 packets from A to R. After that A must wait for acknowledgments.)

2) Chapter 2 Text Book Problem 37

3) Chapter 2 Text Book Problem 42 a,b(answer b to the best of your ability)

4) a) Chapter 2 Text Book problem 53, b) Chapter 2 Text Book problem 54, c) Chapter 2 Text Book problem 55

5) **(CPE548 only – 8 pts, 3 pts extra credit for CPE448)** Chapter 2 Text Book Problem 43 a,b,c. In this problem, B is using exponential backoff for each collision. A Always follows a successful transmission by a collision. Therefore A always backs off 0 or 1 slot, while B is continually increasing its maximum backoff.

The following problems are extra problems that you should consider working.

Same ones as Homework #2