

Quiz 3: October 23, 2014

Left Neighbor: _____

Right Neighbor: _____

This is a closed book quiz

- | | | | | | | | |
|-----------|----------|--|--|--|--|--|--|
| | 10010001 | | | | | | |
| bit order | | | | | | | |

3. (7 points) On Tuesday we spent a lot of time talking about the way Ethernet works and what the its protocol is for transporting packets.
 - (a) (2 points) The Ethernet protocol is referred to as CSMA:CD. Give one short sentence that briefly explains what "multiple access" is.
 - (b) (2 points) The Ethernet protocol is referred to as CSMA:CD. What is exponential backoff, and what part of the previous acronym is affected by that concept?
 - (c) (2 points) The Ethernet protocol is referred to as CSMA:CD. Give one short sentence that briefly explains what "Carrier Sensing" is. Make sure you are clear on which agent is doing the sensing, and how it is doing that.
 - (d) (1 point) Is this procedure being run by the NIC or the CPU? Make sure you are clear about the relationship between the NIC and the CPU.