

### **CMSC132 Quiz #5**

**Name:**

**Student ID:**

1. (2 points) Name one advantage that TCP has over UDP.
2. (2 points) Name one advantage the UDP has over TCP.
3. (2 points) Give an example of a particular application (a specific type of software) in which UDP would be preferred.
4. (2 points) What does DNS stand for?
5. (2 points) What is the application-level abstraction used to represent a network connection? (Hint: What Java class do we use to represent a connection to another machine?)
6. (2 points) In the Client/Server model, who initiates the communication, the client or the server?
7. (2 points) When programming a server, what technique is usually preferred over just handling each client one by one?
8. (2 points) Name two software development models (other than waterfall) that were talked about in class.

9. (2 points) What is the difference between black box and clear box testing?
10. (7 points) Name the 7 phases of the traditional model for software life-cycle (the waterfall model).