University of California, Berkeley   April 15, 2013

College of Engineering   **Quiz #3**   Anthony D. Joseph

Computer Science Division – EECS   CS162 Operating Systems

Your Name:	
SID:	**CS162 login:**
TA:	**Discussion Section:**
Score:	

This is a **closed book and notes** ten-minute quiz. Write all of your answers directly on this paper.

Good Luck!!

1. (6 points total) True/False. Circle the correct answer for each of the following questions.

    a. IP's "Best Effort" packet delivery uses retransmissions to ensure that packets are delivered.

    TRUE   **FALSE**

    b. According to the General's Paradox, messages over an unreliable network cannot be used to guarantee that two entities do something simultaneously.

    TRUE   **FALSE**

2. (6 points) Which of the following one or more properties is **NOT** provided by TCP?
    1. Reliable, in-order, at most once delivery
    2. Guaranteed bandwidth
    3. Stream oriented
    4. Flow control
    5. Packet oriented
    6. Congestion control
    7. Two-way communications
    8. Guaranteed latency

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3. (8 points) Which of the following one or more properties **ARE** provided by transactions?
    1. Isolation
    2. Replication
    3. Conflict serializability
    4. Consistency
    5. Concurrency
    6. Atomicity
    7. Durability
    8. Reliability

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