CSCI 4707
Week 11: Transaction Management
Question 1: A

Atomicity: means a transaction cannot be subdivided, either all the work is done or nothing is done.
Question 2: D

All statement can appear in a transaction. (pg. 547)
Concurrency control allows a user to view the database as a single-user system while there may be many simultaneous users. Recovery ensures the database is restored upon a failure.
Question 4: C

Pg. 556 (Definition of 2PL)

Definition 2PL:

1) Transaction must acquire applicable lock for data.

2) Wait if conflicting lock is held.

3) After releasing lock, transaction doesn’t acquire new locks
Question 5: B

Hot Spot simply describes the data which multiple users attempt to change simultaneously. If there is insufficient concurrency control, one of the other three concurrency problems mentioned may occur.