CHAPTER 5 QUIZ

- 1. What is the first method called in lifecycle of an activity
 - a. OnRestoreInstanceState
 - b. OnStart
 - c. OnResume
 - d. OnCreate
- 2. If the Bundle parameter is non-null in the oncreate method, this indicates which of the following?
 - a. The Activity is paused
 - b. The Activity is stopped
 - c. The Activity is restarting
 - d. The Activity is running
- 3. In which lifecycle callback is the user able to begin interacting with the Activity?
 - a. OnResume
 - b. OnCreate
 - c. OnRestoreInstanceState
 - d. OnStart
- 4. What purpose do the methods in the Android Activity Lifecycle serve?
 - a. To keep the current thread in the foreground, regardless of state changes in the background Activities
 - b. To allow developers a chance to implement the functionality to handle the state and resource management requirements of their application.
 - c. To prevent Android from destroying all Activities if a user navigates backwards using the back button
 - d. To enable multi-tasking without changing the state of all involved Activities
- 5. What purpose does OnRetainNonConfigurationInstance serve?
 - a. Nothing. It is deprecated and should not be used.
 - b. It is method that can be overridden to allow the developer to prevent the activity from being destroyed when there is a configuration change.
 - c. It is an activity lifecycle method that is called between OnStop and OnDestroy.
 - d. It is a method that can be overridden to allow the developer to persist state across configuration changes using custom objects instead of the Bundle.
- 6. What is instance state?
 - a. A memory dump of an Activity at a given point during its lifetime.
 - b. Extra state information that will be restored when an Activity is recreated.
 - c. Data that is passed between two different activities.

- d. A collection of all the data and resources that an Android application is using.
- 7. What is the recommended approach for retaining state during a runtime configuration change to optimize performance?
 - a. Overrride OnRetainNonConfigurationInstance and return a custom object that holds the state. Use that object in OnCreate when initializing the UI to retrieve the data by accessing the LastNonConfigurationInstance property of the activity.
 - b. Set the ConfigurationChanges property on the ActivityAttribute, and implement OnConfigurationChange as appropriate.
 - c. Override OnSaveInstanceState to save the data to a Bundle, and then override OnRestoreInstanceState to retrieve the data from a Bundle.
 - d. Don't do anything. Just let Android handle everything through the lifecycle callbacks.

Answers

1) D, 2) C, 3) A, 4) B, 5) D, 6) B, 7) A