Android questions

1) Android application main components are?

2) What are Activities?

3) What is Intent? How many types of intent exist? What is Intent filter? What is Intent Resolution?

4) How to Start Another Activity?

5) Explain Folder, File & Description of Android Apps?

src:

gen:

bin:

res/drawable-hdpi

res/layout

res/values

AndroidManifest.xml

6) What is AVD?

7) Should you modify R file?

8) True or false: An ANR event means that the Android Notification Record has completed?

9) What AsyncTask method runs on the UI "thread before background processing begins?

10) If you do not want parallel execution with your AsyncTask, what method, including parameters, should you use?

11) What class should you use when you want to load data asynchronously for an Activity or Fragment?

12) True or false: StrictCode is a method developers can use to detect operations that should not be performed on the main thread.

13) Explain Activity Lifecycle

14) When you interact with the Activity on your device which state of the Activity life cycle you are interacting with?

15) When is onPause() called in activity lifecycle?

!6) What is an Service?

17) What is a BroadCast Receiver?

18) True or false: Services should not be used for lengthy operations such as downloading large files.

19) What is the Context method used to connect to a Service?

20) What is a Context object in android?

21) What is the method call for committing transactions to a database?

22) True or false: The SQLiteQueryBuilder convenience class is used to build complex queries such as joins."

23) What are the two types of broadcasts that Android supports?

24) What must your application do in order to become a broadcast receiver?

25) Explain Message passing using Handler?

26) In your own words, describe Android's underlying architecture?

27) What is ADB?

28) What is snackbar?

29) How to you LOG output in android?

30) What is a Toast?

31) What does "adb push" and "adb pull "   command does?

33) What is LOGCAT?

34) Can you simulate SMS and Phone call using a emulator?

35) True or false: LinearLayout, FrameLayout, TableLayout, RelativeLayout, and GridLayout refer to a set of ViewControl classes.

36) True or false: A LinearLayout is used for showing each child View either in a single column or in a single row.

37) What is the method name for associating an XML layout resource file with an Activity?

38) True or false: The only way to create an Android user interface is by defining one in a layout resource XML file.

39) What are fragments?

40) What does the file extension .apk mean?

MCQ

Who retains all rights to Android apps developed with the SDK?

a.   Google

b.   Microsoft

c.   Android, Inc.

d.   The developer

Within the IDE, what does a developer use to load Android
     applications, test, and debug?
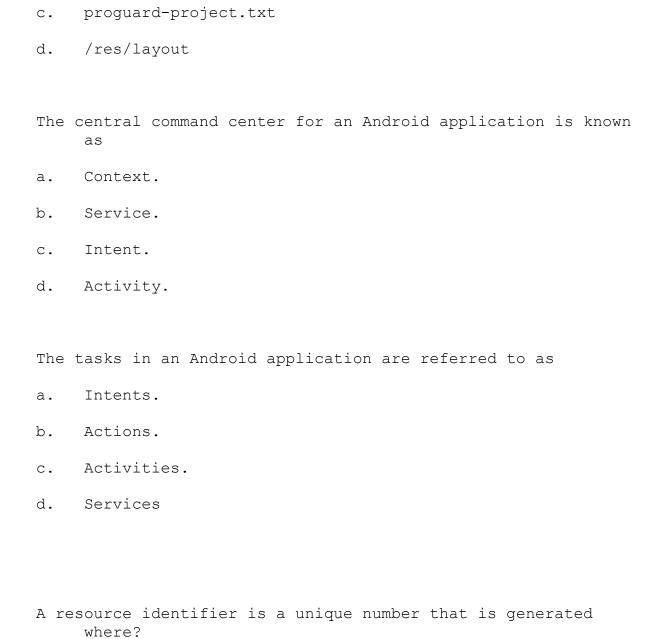
a.   AVD configuration

b.   The Android emulator

c.   A simulator

d.   Test devices

Which perspective shows you processes that are running on the
     device?

a.   Variable Browser

b.   Step Into

c.   DDMS

d.   Android Runtime

What is the central configuration file for Android applications?

a.   /libs/android-support-v4.jar

b.   AndroidManifest.xml

c.   proguard-project.txt

d.   /res/layout

The central command center for an Android application is known
    as

a.   Context.

b.   Service.

c.   Intent.

d.   Activity.

The tasks in an Android application are referred to as

a.   Intents.

b.   Actions.

c.   Activities.

d.   Services

A resource identifier is a unique number that is generated
    where?

a.   In the settings of the Eclipse IDE
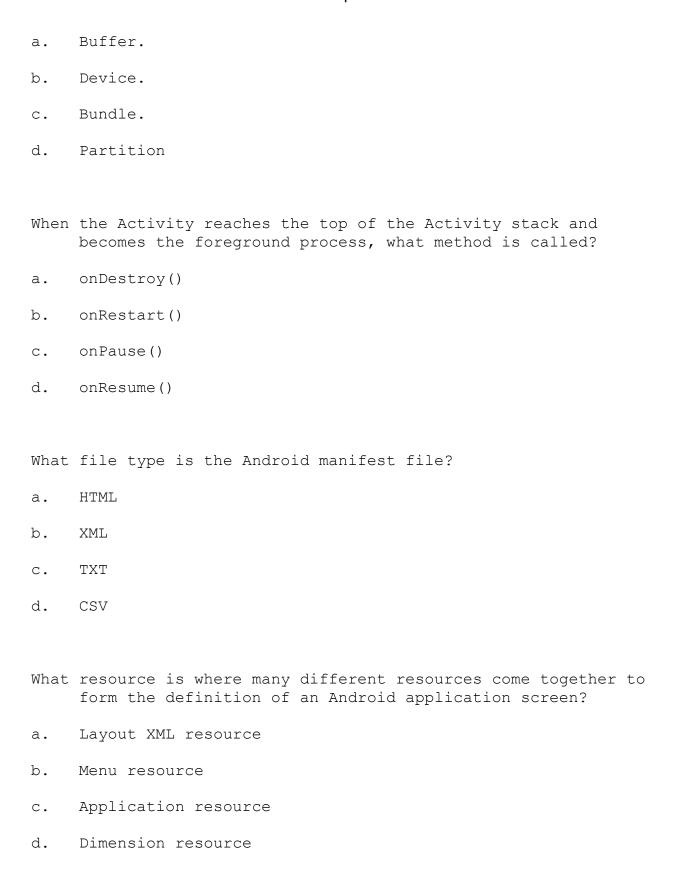
b.   Within the R.java class

c.   Within the resources.* package

d.   Within the id.java class

The onCreate() method has a single parameter named

a.   Buffer.

b.   Device.

c.   Bundle.

d.   Partition

When the Activity reaches the top of the Activity stack and becomes the foreground process, what method is called?

a.   onDestroy()

b.   onRestart()

c.   onPause()

d.   onResume()

What file type is the Android manifest file?

a.   HTML

b.   XML

c.   TXT

d.   CSV

What resource is where many different resources come together to form the definition of an Android application screen?

a.   Layout XML resource

b.   Menu resource

c.   Application resource

d.   Dimension resource

What is a simple dialog-like message that displays for a second or so and then disappears?

a.   A notification

b.   A pop-up

c.   A reminder

d.   A Toast

What are five types of layouts built into the Android SDK framework?

a.   LinearLayout, DrawableLayout, HorizontalLayout, RelativeLayout, FixedLayout

b.   FrameworkLayout, FixedLayout, GridLayout, MarginalLayout, TableLayout

c.   LinearLayout, RelativeLayout, FrameLayout, TableLayout, GridLayout

d.   GridLayout, SpacedLayout, DrawableLayout, FrameLayout, FloatLayout

Which callback method is called when the Fragment's user interface becomes visible but is not yet active?

a.   onStart()

b.   onCreateView()

c.   onResume()

d.   onPause()

When is the onDestroy() callback method called?

a.   When a Fragment is first attached to a specific Activity class

b.   Just before the Fragment is detached from the Activity
       class

c.   When the parent Activity is stopped

d.   To clean up any other resources associated with the
       Fragment

What does DDMS stand for?

a.   Dalvik Debug Monitor Service

b.   Disk Drive Memory Save

c.   Data Display Manifest Support

d.   Data Directory Memory Storage

What is one way the operations should be handled when reading or
       writing information to a disk?

a.   Using strings

b.   Using AsyncTask objects

c.   Using the main UI thread

d.   Using Intent-based methods