AND-401 Exam Sample:

Q1. What method you should override to use Android menu system?

    a. onCreateOptionsMenu()

    b. onCreateMenu()

    c. onMenuCreated()

    d. onCreateContextMenu()

Q2. What Activity method you use to retrieve a reference to an Android view by using the id attribute of a resource XML?

    a. findViewByReference(int id);

    b. findViewById(int id)

    c. retrieveResourceById(int id)

    d. findViewById(String id)

Q3. Which of the following is not an Android component (i.e. a point from which the system can enter your application)?

    a. Service

    b. Activity

    c. Layout

    d. Content Provider

Q4. During an Activity life-cycle, what is the first callback method invoked by the system?

       a. onStop()

       b. onStart()

       c. onCreate()

       d. onRestore()

Q5. Which configuration file holds the permission to use the internet?

       a. Layout file

       b. Property file

       c. Java source file

       d. Manifest file

Q6. What does the following line of code achieve?

```
Intent intent = new Intent(FirstActivity.this,
SecondActivity.class );
```

    a. Creates an hidden Intent

    b. Creates an implicit Intent

    c. Create an explicit Intent

    d. Starts an activity.

Q7. Which of the following is NOT a valid usage for Intents?

    a. Activate and Activity

    b. Activate a Service

    c. Activate a Broadcast receiver

    d. Activate a SQLite DB Connection.

Q8. Which of the following is not a valid Android resource file name?

    a. mylayout.xml

    b. myLayout.xml

    c. my_layout.xml

    d. mylayout1.xml

Q9. Which of these is not defined as a process state?

    a. Non-visible

    b. Visible

    c. Foreground

    d. Background

Q10. What is the name of the folder that contains the R.java file?

a. src

b. res

c. bin

d. gen

Q11. What is a correct statement about an XML layout file?

a. A layout PNG image file

b. A file used to draw the content of an Activity

c. A file that contains all application permission information

d. A file that contains a single activity widget.

Q12. What does the src folder contain?

a. Image and icon files

b. XML resource files

c. The application manifest file

d. Java source code files

Q13. Which file specifies the minimum required Android SDK version your application supports?

   a. main.xml

   b. R.java

   c. strings.xml

   d. AndroidManifest.xml

Q14. What is the parent class of all Activity widgets?

   a. ViewGroup

   b. Layout

   c. View

   d. Widget

Q15.What is the name of the class used by Intent to store additional information?

   a. Extra

   b. Parcelable

   c. Bundle

   d. DataStore

Q16. Which is not included in the Android application framework?

    a. WindowManager

    b. NotificationManager

    c. DialerManager

    d. PackageManager

Q17.What Eclipse plugin is required to develop Android application?

    a. J2EE

    b. Android Software Development Kit

    c. Android Development Tools

    d. Web Development Tools

Q18.You can create a custom view by extending class Activity.

    a. True

    b. False

Q19.Which of these files contains text values that you can use in your application?

    a. AndroidManifest.xml

    b. res/Text.xml

    c. res/layout/Main.xml

    d. res/values/strings.xml

Q20. What does the Android project folder "res/" contain?

    a. Java Activity classes

    b. Resource files

    c. Java source code

    d. Libraries

Q21. What does this code do?

```
Intent intent = new Intent();
intent.setAction(Intent.ACTION_VIEW);
intent.setData(android.net.Uri.parse("http://www.androidatc.com"));
startActivity(intent);
```

    a. Starts a sub-activity

    b. Starts a service

    c. Sends results to another activity.

    d. Starts an activity using an implicit intent.

Q22. Which of the following is a Java call-back method invoked when a view is clicked?

    a. Detector

    b. OnTapListener

    c. OnClickDetector

    d. OnClickListener

Q23.Which of the following is not an Activity lifecycle call-back method?

    a. onStart

    b. onCreate

    c. onPause

    d. onBackPressed

Q24.Which method is used to close an activity?

    a. Destroy( )

    b. Finish( )

    c. Stop( )

    d. Close( )

Q25. Which of the following Activity life-cycle methods is called once the activity is no longer visible?

    a. onStop

    b. onPause

    c. onDestroy

    d. onHide

Q26. Which of the following is a correct Android Manifest statement?

    a. <uses-permission android:name ="android.Internet"/>

    b. <uses-permission android:name ="android.Internet"></uses-permission>

    c. <uses-permission android:name ="android.permission.Internet">

    d. <uses-permission android:name ="android. permission .Internet"/>

Q27.Which of the following is true about attribute `android:windowSoftInputMode` of the <activity> tag in file AndroidManifest.xml?

    a. It specifies whether the window is in full screen or not

    b. It adjusts how the main window of the activity interacts with keyboard

    c. It adjusts how the window should be launched

    d. It adjusts the window orientation

Q28. Which of the following tools dumps system log messages including stack traces when the device or emulator throws an error?

a. DDMS

b. Logcat

c. Console

d. ADB

Q29. Javascript is enabled by default in a WebView

a. True

b. False

Q30. How to enable JavaScript in WebView?

a. myWebView. setJavaScriptEnabled(true);

b. myWebView.getJavaScriptSettings.setEnabled(true)

c. myWebView.getSettings().setJavaScriptEnabled(true);

d. Java script is always enabled in WebView

Q31.What does the following code achieve?

Intent intent = new Intent(FirstActivity.this, SecondActivity.class);

startActivityForResult(intent);

    a. Starts a browser activity

    b. Starts a sub-activity

    c. Starts an activity service

    d. Sends results to another activity.

Q32. When using an implicit intent, what process does the system use to know what to do with it?

    a. Intent resolution

    b. Intent declaration

    c. Intent overloading

    d. Intent transition

Q33.Which of the following is NOT true about the MenuItem interface?

    a. The MenuItem instance will be returned by the Menu class add(...) method.

    b. MenuItem can decide the Intent issued when clicking menu components.

    c. MenuItem can display either an icon or text.

    d. MenuItem can set a checkbox.

Q34. Which of the following is correct about XML layout files?

a. In order to display a UI defined in the XML layout file "main.xml", call the setContentView method of the Activity with the parameter string "main.xml".

b. There is no distinction between implementation of the layout definition by code, or by XML layout file.

c. In an Eclipse project using the ADT plugin, the XML layout file is found in the /res/layout directory.

d. Layout information written in the XML layout file will be converted into code by the Android platform when the screen is displayed.

Q35. The DalvikVM core libraries are a subset of which of the following?

a. Java ME

b. Java SE

c. Java EE

d. JAX-WS

Q36. Which of the following is correct about file access in the Android system?

a. Generally, files are handled as dedicated resources per each application.

b. Files created by an application can be directly accessed by any application.

c. The content of file created by application cannot be accessed by any other application.

d. You can only access a file from within an Activity.

Q37. Which is the correct explanation of ListView?

a. It is necessary to use ListView as a set with ListActivity.

b. You cannot use a ListView when there is no information to be displayed.

c. When displaying a list of Strings using an ArrayAdapter class in ListView, you must save the value in an ArrayList..

d. ListView has a function to display a list of uniquely defined Views other than TextView.

Q38. Which of following is incorrect about the Toast class?

a. You cannot set a custom layout for a Toast.

b. A Toast can only create by an Activity class

c. There is no need to close or hide a Toast, since it closes automatically.

d. A Toast is displayed for only one of the following periods:

Toast.LENGHT_SHORT or Toast.LENGTH_LONG

Q39. Which of the following is not a ContentProvider provided natively by Android?

a. The contacts list

b. The telephone log

c. The bookmarks

d. The application list

Q40. When creating a file using android.content.Context.openFileOutput("test.txt", 0), where is the file created?

a. /data/app/<package name>/files

b. /data/data/<package name>/files

c. /system/app/<package name>/files

d. /system/data/<package name>/files

Q41. Which of the following is incorrect about the LogCat tool?

a. A LogCat view is available as part of the ADT plugin of Eclipse

b. You can create a log in your application using Log.v(String, String)

c. Each log message has a tag

d. Only one of your application can create log entries, and it should be component class (Activity, Service,...etc)

Q42. Which of the following information is not included in the Manifest file?

a. The activities contained in the application

b. The permissions required by the application

c. The application's minimum SDK version required.
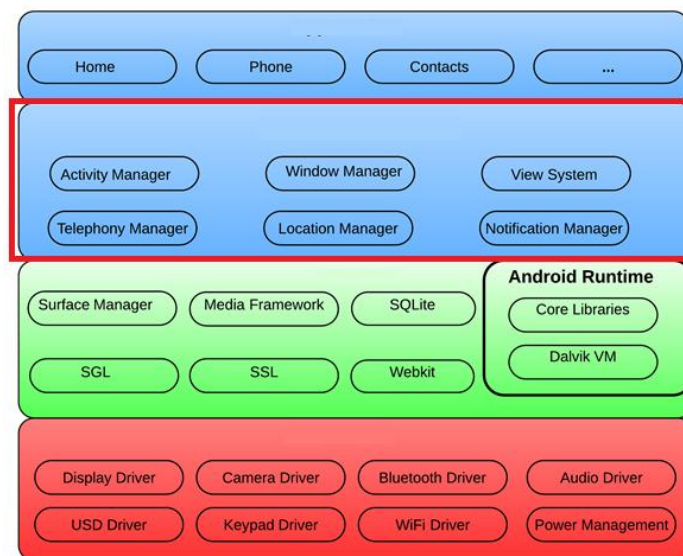
d. The handset model compatible with your application.

Q43. Which method should you use to start a sub-activity?

a. startActivity(Intent intent)

b. startActivityForResult(Intent intent)

c. startService(Intent intent)

d. startSubActivity(Intent intent)

Q44. Which package of the following does not have classes needed for Android network connections?

a. java.net

b. org.apache.http

c. android.location

d. android.net

Q45. What is the second layer from top called in the following diagram of Android's Architecture

a. Applications layer

b. Application framework

c. Linux kernel

d. Android runtime

Q46. Which of the following tools creates certificates for signing Android applications?

    a. adb

    b. logcat

    c. keytool

    d. certgen

Q47. Which manifest file permission you should add to allow your application to read the device's address book?

    a. READ_ADDRESS_DATA

    b. READ_PHONE_STATE

    c. READ_PHONE_CONTACTS

    d. READ_CONTACTS

Q48. You can create a custom view by extending class:

    a. android.widget.View

    b. android.widget.LinearLayout

    c. android.view.View

    d. android.content.Context

Q49. In which Activity life-cycle method you should do all of your normal static set up such as: creating views and bind data to lists?

a. onResume()

b. onStart()

c. onCreate()

d. onPause()

Q50. Which of the following lines of code starts activity Activity2 from a current activity Activity1?

a. Intent intent = new Intent(this,new Activity2());

startActivity(intent);

b. Intent intent = new Intent(new Activity2());

startActivity(intent);

c. Intent intent = new Intent (Activity1.class,Activity2.class);

startActivity(intent);

d. Intent intent = new Intent(this,Activity2.class);

startActivity(intent);

Q51. Which of the following methods is called in an Activity when another activity gets into the foreground?

a. onStop( )

b. onPause( )

c. onDestroy( )

d. onExit( )

Q52.Which of the following attributes is used to set an activity screen to landscape orientation?

a. `screenorientation = landscape`

b. `screenOrientation="landscape"`

c. `android:ScreenOrientation="landscape"`

d. `android:screenOrientation="landscape"`

Q53. What is not true about the AndroidManifest.xml file?

a. It declares the views used within the application

b. It declares user permissions the application requires

c. It declares application components

d. It declares hardware and software features used within the application

Q54. If your application is throwing exception android.content.ActivityNotFoundException, how to fix it?

a. Create a new activity Java sub-class.

b. Rename your activity

c. Create the activity layout

d. Add the activity to the AndroidManifest

Q55. Consider the following code:

Intent intent = new Intent();

intent.setAction(Intent.ACTION_VIEW);

intent.setData(android.net.Uri.parse("http://www.androidatc.com"));

startActivity(intent);

Which of the following is correct about the code above?

a. It sends a result to a new `Activity` in a `Bundle`.
b. It will not compile without adding the `INTERNET` permission the `Manifest` file.
c. It starts any activity in the application that has a `WebView` in its layout.
d. When it is executed, the system starts an intent resolution process to start the right `Activity`.

Q56. Which of the following is not true about <activity> tag in AndroidManifest file?

a. Declares an activity that implements part of the application's visual user interface
b. Contained in <application> tag.
c. Declares a single hardware or software feature that is used by the application.
d. Has an attribute that specifies the name of the Activity sub-class that implements the activity.

Q57. Which of the following Android View sub-classes uses the WebKit rendering engine to display web pages?

a. PageView
b. WebView
c. MapView
d. HttpClient

Q58. Which of the following lines of codes adds zoom controls to a WebView?

a. webView.getSettings().setBuiltInZoomControls(true);
b. webView.getSettings().setZoomControls(true);
c. webView.getZoomSettings().setControls(CONTROLS.enabled);
d. Zoom controls are included by default in WebViews.

Q59. Which of the following best explains the Android option menus?

a. It is a popup menu that displays a list of items in a vertical list anchored to the view that invoked the menu.
b. It is a floating menu that appears when the user performs a long-click on an element. It provides actions that affect the selected content or context frame.
c. It is the primary collection of menu items for an activity where you should place actions that have a global impact on the app, such as "Search," "Compose email," and "Settings."
d. It is a type of List Activity with predefined headers and footers for special commands.

Q60. Which of the following best explains the Android context menus?

a. It is a popup menu displays a list of items in a vertical list that's anchored to the view that invoked the menu.
b. It is a floating menu that appears when the user performs a long-click on an element. It provides actions that affect the selected content or context frame.
c. It is the primary collection of menu items for an activity. It's where you should place actions that have a global impact on the app, such as "Search," "Compose email," and "Settings."
d. It is a sub-menu of an options menu item.

Q61. Which of the following applies a context menu on a ListView?

(Choose two)

```
a. ListView lv = getListView();
   lv.registerForContextMenu()


b. ListView lv= getListView();
   registerForContextMenu(lv);
```

c. ListView lv = (ListView) findViewById(R.id.list_view_id);
```
   registerForContextMenu(lv)
```

```
d. getListView().setConextMenuEnabled(true)
```

Q62. Consider the following code :

@Override

public void onCreateContextMenu(ContextMenu menu, View v,

ContextMenuInfo menuInfo) {

super.onCreateContextMenu(menu, v, menuInfo);

menu.setHeaderTitle("Menu");

AdapterContextMenuInfo cmi = (AdapterContextMenuInfo) menuInfo;

menu.add(1, cmi.position, 0, "Open file");

menu.add(2, cmi.position, 0, "Save file");

}

Which of the following best explains the code above?

a. The code inflates an xml file into menu items
b. The code creates menu items for context menu programmatically
c. The code assign actions to menu items
d. The code Opens a menu resource file, modifies it, and saves the changes.

Q63. Which of the following does NOT correctly describe interface android.widget.Adapter?

a. It is an object that acts as a bridge between a View and underlying data for that view.

b. It provides access to the data items.

c. It provides access to deprecated ListView methods.

d. It is responsible for making a View for each item in the data set.

Q64.Which of the following methods updates a ListView when an element is added to the data set?

a. notify( )
b. notifyAll( )
c. notifyDataSetChanged( )
d. notifyDataSetInvalidate( )

Q65. The values of which of the following classes cannot be mapped in a Bundle object?

a. Parcelable

b. String

c. ArrayList

d. Context

Q66. Which of the following is true about method startActivity?

a. It starts a new activity and destroys the previous one
b. It starts a new activity and sends the previous one to the background.
c. It starts a new activity and pauses the previous one.
d. It starts a new activity in a paused mode.

Q67. Which of the following are primary pieces of information that are required to define in an implicit Intent?

a. An action to be performed and data to operate on.

b. An action to be performed and a category for additional information.

c. A Bundle for extra data.

d. A category of additional information and data to operate on.

Q68. When is the intent resolution process triggered?

a. When the system receives an implicit intent to start an activity.

b. When an explicit intent starts a service.

c. When the system receives an explicit intent to start an activity.

d. When the application calls method `startAcitivyIntentResolution`.

Q69. Which of the following applies to the onDraw() method of class View? (Choose two)

a. It must be overridden if a customize drawing of a view is required.

b. It takes two parameters: a Canvas and a View.

c. It takes one parameter of type Canvas.

d. It uses the Canvas parameter to draw the border of the activity that contains it.

Q70. Which of the following you cannot achieve by creating your own View sub-classes?

a. Create a completely new customized View type.

b. Combine a group of View components into a new single component.

c. Specify when to destroy an activity and all its views.

d. Override the way that an existing component is displayed on the screen.

Q71. Which of the following is required to allow the Android Developer Tools to interact with your view?

a. Provide a constructor that takes a **Context** and an **AttributeSet** object as parameters.

b. Provide a constructor that takes a **Context** object as parameter.

c. Extend class View.

d. Override method onDraw() of class View.

Q72. What are the main two types of thread in Android?

a. Main thread and worker threads.

b. Main thread and UI thread.

c. Activities and services.

d. Main thread and background process.

Q73. Which of the following AsyncTask methods is NOT executed on the UI thread?

```
a. onPreExecute()
b. onPostExecute()
c. publishProgress()
d. onProgressUpdate()
```

Q74. Which of the following is NOT true about method getWindow() of class Dialog do?

a. It retrieves the current window for the activity.

b. It can be used to access parts of the Windows API.

c. It displays the dialog on the screen.

d. It returns null if the activity is not visual.

Q75. Which of the following is true about the Dialog class? (Choose two)

a. You can add a custom layout to a dialog using `setContentView()`.

b. A dialog has a life-cycle independent of the Activity.

c. A dialog is displayed on the screen using method `show()`.

d. It does not have a method to access the activity that owns it.

Q76. Which of the following is a NOT valid form of notification invoked by the NotificationManager?

a. A Flashing LED.

b. A persistent icon in the status bar.

c. A sound played.

d. A SMS sent.

Q77. Which of the following a Notification object must contain? (Choose three)

a. A small icon.

b. A detail text.

c. A notification sound.

d. A title.