

## Android Application Development - Exam Sample

- 1 Which of these is not recommended in the Android Developer's Guide as a method of creating an individual View?
  - a Create by extending the `android.view.View` class.
  - b Create by extending already existing View classes such as `Button` or `TextView`.
  - c Create by copying the source of an already existing View class such as `Button` or `TextView`.
  - d Create by combining multiple Views.

Answer: c

- 2 Which of these is the incorrect explanation of the Android SDK and AVD Manager?
  - a They are provided from version 1.6 of the SDK. Up to Version 1.5, there was an AVD Manager but it lacked SDK management functions.
  - b You can create and startup AVD, and on startup you can delete user data up to that point.
  - c The "android" command can be used if "<SDK install folder>/tools" is added to the command path.
  - d The development tools that can be downloaded from Android SDK and AVD Manager are SDK Android platform, NDK-platform, emulator images, and USB drivers for handsets.

Answer: d

- 3 Which of these is the correct explanation regarding the following methods?  
(1)`android.content.Context.sendBroadcast`  
(2)`android.content.Context.startActivity`
  - a Both methods are defined by overloading.
  - b Both methods throw an exception.
  - c Both methods are asynchronous.
  - d Both methods are able to broadcast an Intent.

Answer: d

- 4 Which of the following is incorrect about `ProgressDialog`?
  - a `ProgressDialog` inherits from the `AlertDialog` class.
  - b `ProgressDialog` can be set as 2 types of style: `STYLE_HORIZONTAL` and `STYLE_SPINNER`.
  - c `ProgressDialog` is able to apply a custom XML-defined layout by using the `setContentView(...)` method.
  - d `ProgressDialog` can be freely configured to use a `Drawable` class to display as its progress bar.

Answer: c

5. Which of these is the correct function of Traceview?
- a. Displays a graphical task execution log.
  - b. Displays graphically a memory acquisition and release log
  - c. Displays graphically the call stack.
  - d. Displays graphically the UI state hierarchy.

Answer: a

6. Which configuration file holds the permission to use GPS?
- a. Layout file
  - b. Manifest file
  - c. Source file
  - d. Property file

Answer: b

7. Which of the following is the correct way to add an access permission to your application?
- a. Add a `<uses-permission>` tag as a child tag of the `<manifest>` tag in `AndroidManifest.xml`.
  - b. Add a `<add-permission>` tag as a child tag of the `<manifest>` tag in `AndroidManifest.xml`.
  - c. Add a `<uses-permission>` tag as a child tag of the `<application>` tag in `AndroidManifest.xml`.
  - d. Add a `<permission>` tag as a child tag of the `<application>` tag in `AndroidManifest.xml`.

Answer: a

8. Which of the following statements is correct about SQLite?
- a. It is an object database.
  - b. It is client-server format.
  - c. It is possible to create and access a database by using `SQLOpenHelper`.
  - d. It can be accessed by other applications through `ContentProvider`.

Answer: d

9. When including a text file in your application to read from as a resource, what is the recommended location of such file?
- a. `res/anim`
  - b. `res/files`
  - c. `res/raw`
  - d. `res/values`

Answer: d

10. Which of the following statements about DDMS is incorrect?
- a. You can display a list of currently running threads and select one to check its stack trace.
  - b. You can use it to acquire screenshots of a terminal.
  - c. You can forcibly execute garbage collection and check the present heap usage status.
  - d. You can do simulations of network zone speed and bandwidth limitations.

Answer: d

11. 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.

Answer: b

12. 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

Answer: a

- 13 . Which of the following is incorrect 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.

Answer: b

14. Which of these 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.

Answer: c

15. The DalvikVM core libraries are a subset of which of the following?
- A. Java ME
  - B. Java SE
  - C. Java EE
  - D. JAX-WS

Answer: b

16. 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.

Answer: a

17. 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.

Answer: d

18. Which of following is incorrect about the Toast class?
- A. You cannot set a custom layout for for a Toast.
  - B. A Toast can only created 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

Answer: b

- 19 . 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

Answer: d

- 20.. What method you should override to use Android menu system?
- A. onCreateOptionsMenu()
  - B. onCreateMenu()
  - C. onMenuCreated()
  - D. onCreateContextMenu().

Answer: a

21. What Activity method you use to retrieve a reference to an Android view by using the id attribute of a resource XML?
- A. findViewByIdByReference(int id);
  - B. findViewById(int id)
  - C. retrieveResourceById(int id)
  - D. findViewById(String id)

Answer: b

22. 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

Answer: c

23. During an Activity lifetime, what is the first method callback invoked by the system?
- A. onStop()
  - B. onStart()
  - C. onCreate()
  - D. onRestore()

Answer: c

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

- A. Layout file
- B. Property file
- C. Java source file
- D. Manifest file

Answer: d

25. 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.

Answer: c

26. 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.

Answer: d

27. 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

Answer: b

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

- A. Non-visible
- B. Visible
- C. Foreground
- D. Background

Answer: a

29. Which of these is the correct interface definition used to bind a Service?

- A. AIDL
- B. IDL
- C. KML

D. XML

Answer: a

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

- A. src
- B. res
- C. bin
- D. gen

Answer: d

SAMPLE