Android Application Development Test

Total points 48/60 ❓

Each Question carry 1 mark

The respondent's email (**nkeshimanac@nm-aist.ac.tz**) was recorded on submission of this form.

✗ **Which Broadcast In Android Includes Information About Battery State Level**   *···/1

○ ⦿ Android.intent.action.BATTERY_CHANGED   ✗

○ Android.intent.action.BATTERY_LOW

○ Android.intent.action.BATTERY_OKAY

○ Android.intent.action.CALL_BUTTON

No correct answers

✓ **Android Is Based On Which Kernal ***   1/1

⦿ Linux   ✓

○ Windows

○ Mac

○ Redhat

✓ What is Manifest.xml in android? *   1/1

- ○ It has information about layout in an application
- ◉ It has all the information about an application   ✓
- ○ It has the information about activities in an application
- ○ None of the above

✓ What is APK in android? *   1/1

- ○ Android pack
- ○ Android packages
- ◉ Android Package Kit   ✓
- ○ None of above

✓ What is the name of the program that converts Java byte code into Dalvik *1/1
byte code?

- ◉ Dex compiler   ✓
- ○ Dalvik Converter
- ○ Android Interpretive Compiler (AIC)
- ○ Mobile Interpretive Compiler (MIC)

✕   Which of the following applications are processed locally on the phone? *   0/1

◯ Google Earth

◯ Google Maps

◉ Google Voice   ✕

◯ None of the mentioned

Correct answer

◉ None of the mentioned

✓   What is the default value of the orientation attribute in LinearLayout? *   1/1

◉ Horizontal   ✓

◯ Vertical

◯ There is no default value of orientation attribute in LinearLayout

◯ None of the above

✓   Which of the following layout in android aligns all children either vertically *1/1
     or horizontally?

◯ RelativeLayout

◯ TableLayout

◯ FrameLayout

◉ LinearLayout   ✓

✓ Which of the following layout in android arranges its children into rows   *1/1
   and columns?

○ RelativeLayout

◉ TableLayout   ✓

○ FrameLayout

○ None of the above

✓ All layout classes are the subclasses of - *   1/1

○ android.view.View

◉ android.view.ViewGroup   ✓

○ android.widget

○ None of the above

✗ Which of the following method is used by services to clean up any   *0/1
   services?

○ onStop() method

◉ stopService() method   ✗

○ onDestroy() method

○ stopSelf() method

Correct answer

◉ onDestroy() method

✓ Which of the following method in android is used to log debug   *1/1
    messages?

○ Log.r()

○ Log.R()

◉ Log.d()   ✓

○ Log.D()

✓ Which of the following class in android displays information for a short   *1/1
    period of time and disappears after some time?

◉ toast class   ✓

○ log class

○ maketest class

○ None of the above

✓ In Android studio, which of the following callback is called when an   *1/1
    activity starts interacting with the user?

○ onDestroy

○ onCreate

◉ onResume   ✓

○ onStop

✓ Which of the following android library provides access to the database? *   1/1

○ android.content

◉ android.database   ✓

○ android.api

○ None of the above

✓ Is it true that "There can be only one running activity at a given time"? *   1/1

◉ True   ✓

○ False

○ May be

○ Can't say

✓ Which of the following is the API level of Android version 5.0? *   1/1

◉ 21   ✓

○ 20

○ 11

○ 41

✓ Which of the following is the built-in database of Android? *   1/1

⦿ SQLite   ✓

○ MySQL

○ Oracle

○ None of the above

✓ In which state the activity is, if it is not in focus, but still visible on the   *1/1
   screen?

○ Stopped state

○ Destroyed state

⦿ Paused state   ✓

○ Running state

✓ Which of the following is a dialog class in android? *   1/1

○ DatePicker Dialog

○ AlertDialog

○ ProgressDialog

⦿ All of the above   ✓

✓ **Which of the following is not a nickname of any android version? ***   1/1

○ Donut

◉ Muffin   ✓

○ Honeycomb

○ Cupcake

✓ **Which of the following is not a state in the service lifecycle? ***   1/1

○ Destroyed

○ Start

◉ Paused   ✓

○ Running

✓ **What is contained in manifest.xml? ***   1/1

○ Source code

○ List of strings used in the app

◉ Permission that the application requires   ✓

○ None of the above

✓ Which of the layer is the lowest layer of android architecture? *   1/1

    ○ System Libraries and Android Runtime

    ◉ Linux Kernel   ✓

    ○ Applications

    ○ Applications Framework

✓ Which of the layer is below the topmost layer of android architecture? *   1/1

    ○ System Libraries and Android Runtime

    ○ Linux Kernel

    ○ Applications

    ◉ Applications Framework   ✓

✓ Which of the following is the topmost layer of android architecture? *   1/1

    ○ System Libraries and Android Runtime

    ○ Linux Kernel

    ◉ Applications   ✓

    ○ Applications Framework

✓   **In which year OHA (Open Handset Alliance) is announced? ***   1/1

○ 2005

◉ 2007   ✓

○ 2006

○ None of the above

✗   **Which of the following is the parent class of service? ***   0/1

○ context

○ object

◉ contextThemeWrapper   ✗

○ contextWrapper

Correct answer

◉ contextWrapper

✗   **Which of the following is the parent class of Activity? ***   0/1

○ context

○ object

○ contextThemeWrapper

◉ contextWrapper   ✗

Correct answer

◉ contextThemeWrapper

✓ Which of the following android component displays the part of an activity *1/1
on screen?

○ View

○ Manifest

○ Intent

◉ Fragment   ✓

✓ Which of the following method is used to handle what happens after   *1/1
clicking a button?

◉ onClick   ✓

○ onCreate

○ onSelect

○ None of the above

✓ Which of the following is contained in the src folder? *   1/1

○ XML

◉ Java source code   ✓

○ Manifest

○ None of the above

✗   What is the use of content provider in Android? *   0/1

◉   For sharing the data between applications   ✗

○   For storing the data in the databaseJava source code

○   For sending the data from an application to another application

○   None of the above

Correct answer

◉   For sending the data from an application to another application

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✓   We require an AVD to create an emulator. What does AVD stand for? *   1/1

◉   Android Virtual device   ✓

○   Android Virtual display

○   Active Virtual display

○   Active Virtual device

✗   Which of the following is not an activity lifecycle callback method? *   0/1

○   onCreate() method

◉   onClick() method   ✗

○   onStart() method

○   onBackPressed() method

Correct answer

◉   onBackPressed() method

✓ Which of the following is the first callback method that is invoked by the   *1/1
   system during an activity life-cycle?

⊙ onCreate() method   ✓

○ onClick() method

○ onStart() method

○ onRestart() method

✓ On which of the following, developers can test the application, during   *1/1
   developing the android applications?

○ Third-party emulators

○ Emulator included in Android SDK

○ Physical android phone

⊙ All of the above   ✓

✓ How can we kill an activity in android? *   1/1

○ Using finish() method

○ Using finishActivity(int requestCode)

⊙ Both (a) and (b)   ✓

○ Neither (a) nor (b)

✓ What is an activity in android? *   1/1

○ android class

○ android package

◉ A single screen in an application with supporting java code   ✓

○ Neither (a) noNone of the abover (b)

✓ How can we stop the services in android? *   1/1

◉ By using the stopSelf() and stopService() method   ✓

○ By using the finish() method

○ By using system.exit() method

○ None of the above

✓ Which of the following converts Java byte code into Dalvik byte code? *   1/1

○ Dalvik converter

◉ Dex compiler   ✓

○ Mobile interpretive compiler (MIC)

○ None of the above

✓ **What is the difference between content values and cursor in android SQlite?**   *1/1

○ Content values are key pair values, which are updated or inserted in the database

○ Cursor is used to store the temporary result.

◉ A & B   ✓

○ Cursor is used to store data permanently.

✓ **Explain android activity life cycle?** *   1/1

○ onCreate() –> onStart() –> onActivityStarted() –> onResume() –> onPause() –>
onStop() –> onActivityDistroy() –> onDestroy()

◉ OnCreate() –> onStart() –>onResume() –> onPause() –> onStop() –>
onRestart() –> onDestroy()   ✓

○ OnCreate() –> onStart() –> onPause() –> onResume() –> onStop() –> onDestroy()

○ onResume()

✓ **What is the life cycle of services in android?** *   1/1

◉ onCreate()–>onStartCommand()–>onDestory()   ✓

○ onRecieve()

○ final()

○ onResumeService life cycle is same as activity life cycle.

✓ <u>What are the functionalities of Binder services in android?</u> *   1/1

○ Binder is responsible to manage the thread while using aidl in android

○ Binder is responsible for marshalling and un-marshalling of the data

◉ A & B   ✓

○ None of the above

✓ <u>What is DDMS in android?</u> *   1/1

○ Dalvik memory server

○ Device memory server

○ Dalvik monitoring services

◉ Dalvik debug monitor services   ✓

✓ <u>What is sandbox in android?</u> *   1/1

○ Android Box

○ Android development tool kit

◉ Each application runs securely in sandbox without interrupting another process ✓

○ None of the above

✗ <u>Is it mandatory to call onCreate() and onStart() in android?</u> *   0/1

○ No, we can write the program without writing onCreate() and onStart()

○ Yes, we should call onCreate() and onStart() to write the program

◉ At least we need to call onCreate() once   ✗

○ None of the above

Correct answer

◉ No, we can write the program without writing onCreate() and onStart()

✓ In which directory XML layout files are stored *   1/1

○ /assets

○ /src

○ /res/values

◉ /res/layout   ✓

✓ How to pass the data between activities in Android? *   1/1

◉ Intent   ✓

○ Content Provider

○ Broadcast Receiver

○ None of Above

✓   How to upgrade SQlite the database from a lower version to higher   *1/1
    version in android SQlite?

◯   Using Intent

⦿   Using helper class   ✓

◯   Using cursor

◯   None of Above

✗   What is an activity in Android? *   0/1

◯   Activity performs the actions on the screen

◯   Manage the Application content

⦿   Screen UI   ✗

◯   None of Above

Correct answer

⦿   Activity performs the actions on the screen

✗ Which of these pieces of code that are used in the Android system is NOT *0/1
open source?

◯ Wifi driver

◯ Keypad driver

◯ Power management

◉ Audio driver ✗

Correct answer

◉ Wifi driver

✓ Which of these do NOT constitute to be a part of the native libraries in *1/1
Android?

◯ OpenGL

◯ Webkit

◯ SQLite

◉ Dalvik ✓

✓ Which of these operating systems is used in the form of the Android *1/1
sack's base?

◯ XML

◯ Java

◯ Windows

◉ Linux ✓

✗ **Which of these files specifies our screen's layout? ***   0/1

○ Manifest file

◉ Layout file   ✗

○ R file

○ Strings XML

Correct answer

◉ R file

✓ **Which of these is an XML file that consists of all the text used in an**   *1/1
application?

○ string.java

◉ string.xml   ✓

○ text.xml

○ stack.xml

✓ **The Android system gets exposed with the Status data via: ***   1/1

○ Altering permissions

○ Network receivers

◉ A content provider   ✓

○ Intents

✕ While making any network call, if the UI begins to crash or behave   *0/1
sluggishly, it is most likely because of:

○ Network latency

⦿ Too many activities on the Activity Manager   ✕

○ Hardware malfunctions

○ Virus on the available Server

Correct answer

⦿ Network latency

✓ What file is responsible for glueing everthing together , explaining what   *1/1
the applicatin consists of, what its main building blocks are, ext…?

○ layout file

○ strings xml

○ r file

⦿ manifest file   ✓

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