

# MID Exam

# MAD

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

Select one:

- a. DataStore
- b. Bundle
- c. Extra
- d. Parcelable

bundles are a useful tool for passing data between components within an app, allowing for efficient and organized communication between different parts of an app.

Which of the following function calls can be used to start a Service from your Android application?

- A) - bindService()
- B) - startService()
- C) - runService()

Select one:

- a. C only
- b. A,B,C All
- c. Both A and C
- d. Both A and B
- e. B only



Which of the following is not true about the toast messages?

Select one or more:

- a. It displays the message in the UI for a short period of time. ✓
- b. Toast messages can be displayed only as their default appearance and settings. ✗
- c. It gives some feedback to the user about an operation. ✓
- d. It will display alerts for the success, error, and warning actions. ✓
- e. It is used to display a message with OK and Cancel buttons. ✗

[Next page](#)

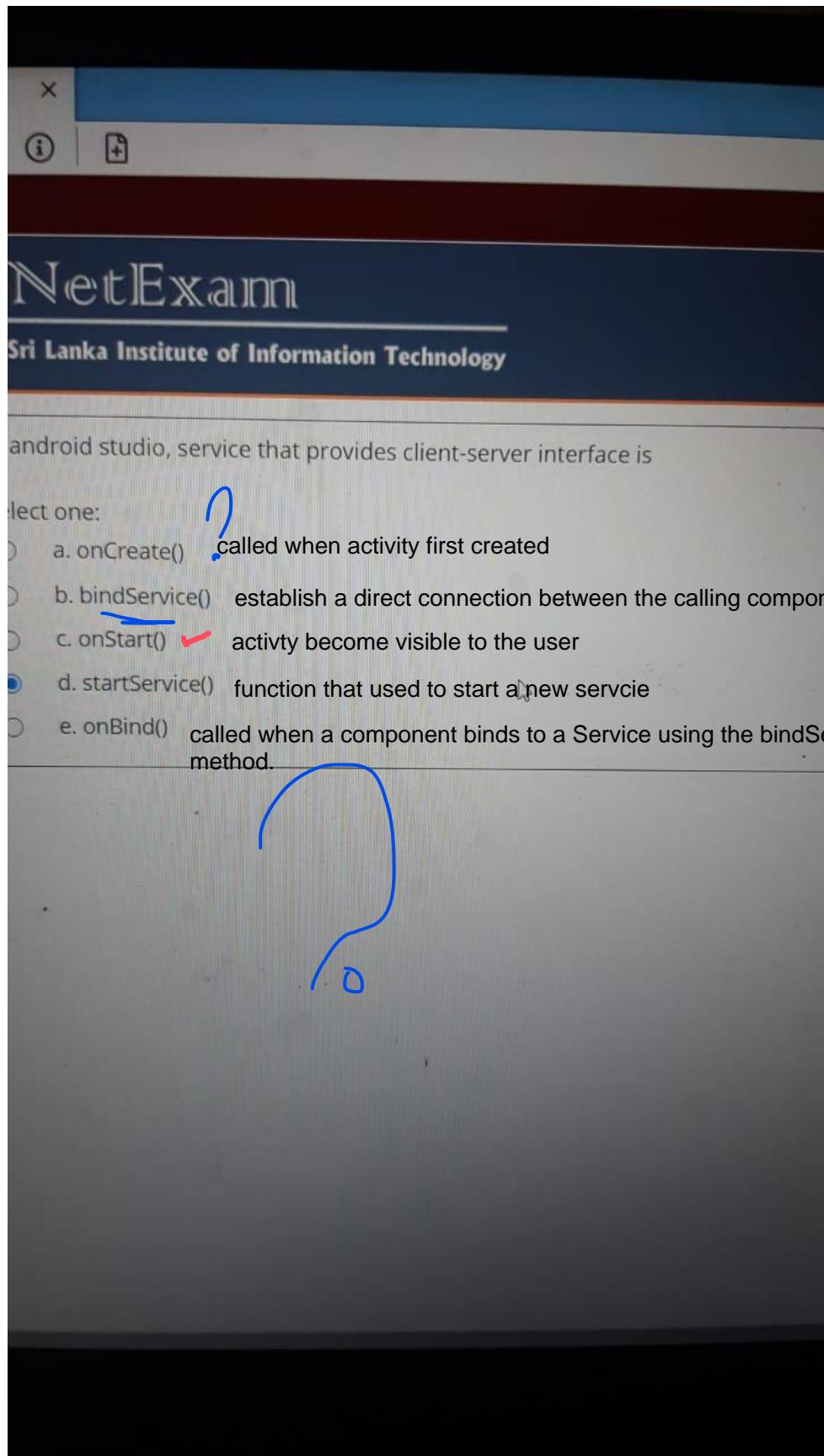
47



Which of the following shows the hierarchy of the user interface design?

Select one:

- a. Constraint layout
- b. Palette
- c. Component tree
- d. Layout validation
- e. View group



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Assume that, you have five activities in your application and you want to mention the startup activity/ launch activity to launch the application. Which one out of the following files, you will make the changes to configure it?

Select one:

- a. AndroidManifest.xml
- b. strings.xml
- c. Setting.gradle
- d. Build.gradle
- e. activity\_main.xml

Next page

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

Select one:

- a. All are correct
- b. The telephone log
- c. The contacts list
- d. The bookmarks
- e. The application list



As it is updated in 2021

Suppose that there are two activities in an application named **FirstActivity** and **SecondActivity**. You want to send website name from **ActivityOne** to **ActivityTwo**. What code you will write? Suppose that website name is "Home.com"

Select one:

- a. Intent intent=new Intent (this, SecondActivity.class);  
intent.putExtra( "Home.com"); X  
startActivity(intent);
- b. None of the given options. ✓
- c. Intent intent=new Intent (FirstActivity.this, SecondActivity.class);  
intent.putExtra( "Home.com"); X  
startActivity(intent)
- d. Intent intent=new Intent ();  
intent.putExtra("name", "Home.com"); X  
startActivity(intent);
- e. Intent intent=new Intent (this, SecondActivity.class);  
intent.putExtra("name", "Home.com"); X  
startActivity(intent);

```
val intent = Intent(this,secondActivty::class.java)
intent.putExtra("name", "Home.com")
startActivity(intent) ✓
```

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putExtras() contains \_\_\_\_\_.

Select one:

- a. type and category
- b. value and key
- c. value and number
- d. key and value



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Which is the layout that arranges all the children views in a single column or single row?

Select one:

- a. Relative layout
- b. Linear layout ✓
- c. Absolute layout
- d. Frame layout
- e. Table Layout

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The system calls this method when new clients have connected to the service, after it had previously been notified that a client had disconnected in its onUnbind(Intent).

Select one:

- a. onBind()
- b. onUnBind()
- c. stopService()
- d. onRebind() ✓
- e. onStop()



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When developing for the Android OS, Java byte code is compiled into what?

Select one:

- a. C source code X
- b. Dalvik byte code ✓
- c. dex code X
- d. Java source code X
- e. Dalvik application code X



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For creating an Activity like Whatsapp, \_\_\_\_\_ activity is/are used

Select one or more:

- a. Fullscreen ✓
- b. navigation drawer ✓
- c. login X
- d. tabbed ✓
- e. tab X

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If your service is private to your own application and runs in the same process as the client (which is common), you should create your interface by extending the \_\_\_\_\_ class?

Select one:

- a. Activity X
- b. Bound X
- c. AIDL X
- d. Messenger X
- e. Binder ✓

[ANSWER](#) [ANSWER](#)

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**Question 6**  
Not yet answered  
Marked out of 1.0  
[Flag question](#)

What is contained within the Layout xml file?

Select one:

- a. The code which is compiled to run the app X
- b. The properties of the layout X
- c. Orientations and layouts that specify what the display looks like ✓
- d. The permissions required by the app X
- e. The strings used in the app X

Which of the following code is an example of a system starting an intent resolution process?

```
val intent = Intent(Intent.ACTION_VIEW)
intent.setData(Uri.parse("http://www.example.com"))
```

Select one:

- a. Intent intent = new Intent();
 intent.setAction(Intent.ACTION\_VIEW);
 intent.setData(android.net.Uri.parse("http://www.android.com"));
 startActivity(intent);
- b. Intent intent = new Intent(this, SecondActivity);
 startActivity(intent);
- c. Intent intent = new Intent(this, SecondActivity.class);
 intent.setData(android.net.Uri.parse("http://www.android.com"));
 startActivity(intent);
- d. Intent intent = new Intent();
 intent.setAction(Intent.ACTION\_VIEW);
 startActivity(intent);
- e. Intent intent = new Intent(FirstActivity.this, SecondActivity.class);
 startActivity(intent);



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Which of the following function calls can be used to start a Service from your Android application?

- A) - bindService()
- B) - startService()
- C) - runService()

Select one:

- a. C only
- b. B only
- c. Both A and B
- d. A,B,C All
- e. Both A and C

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

Select one:

- a. screenOrientation="landscape"
- b. android:ScreenOrientation="landscape"
- c. android:screenOrientation="landscape" ✓
- d. screenorientation = landscape

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Consider the following code:

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

?

Which of the following is correct about the code above?

Select one or more:

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

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Which is the correct syntax to change the font size in android studio?

Select one:

- a. Android:textSize="26sd" ✗
- b. Android:textSize="26dp" ✗
- c. Android:textSize="26em" ✗
- d. Android:textSize="26sp" ✓
- e. Android:textSize="26cm" ✗



Question 13

Not yet answered

Marked out of 1.0

Flag question

What does the src folder contain?

Select one:

- a. custom resource files ✗
- b. The application manifest file ✗
- c. Image and Icon files ✗
- d. Java source code files ✓
- e. XML resource files ✗

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);
```

Select one:

- a. Starts a service
- b. Sends results to another activity.
- c. Starts an activity using an implicit intent.
- d. Starts a sub-activity



The image shows a laptop screen displaying a NetExam question from Sri Lanka Institute of Information Technology. The question is numbered 14 and asks how to reference a textbox control in Java. The correct answer, option b, is highlighted with a red checkmark. The question and options are as follows:

How will you reference a textbox control in Java file, that is available in XML file and the ID is txtName.

Select one or more:

- a. All of the given options are wrong
- b. EditText txtEmpName;  
txtEmpName=findViewById(R.id.txtName);
- c. EditText txtEmpName;  
txtEmpName=(EditText)findViewById(R.id.txtName);
- d. EditText txtEmpName;  
txtEmpName=(EditText)findViewById(R.id.txtName);
- e. EditText txtEmpName;  
txtEmpName=findViewById(R.id.txtName);

A red checkmark is placed next to the correct answer, option b. At the bottom right of the screen, there is a "Next page" button. Below the screen, a portion of a black laptop keyboard is visible.

What is/are true about Intents?

- A. Are messages that are sent among major building blocks. ✓
- B. Trigger activities to begin, services to start or stop, or broadcast ✓
- C. Are asynchronous ✓

Select one:

- a. A,B,C All
- b. Both A and C
- c. Both A and B
- d. C only
- e. A only



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Question 16

Not yet answered

Marked out of 1.0

Flag question

On implementing method of onStartCommand(), service must be stopped after task is completed using

Select one:

- a. onStop()
- b. onDestroy()
- c. OnBreak()
- d. endService()
- e. stopSelf()

Select the correct parameter for the following code snippet.

Toast.makeText(this, "Successfully login to the system", Toast.\_\_\_\_\_ ).show();

Select one:

- a. LENGTH\_LONG
- b. SHORT\_TIME
- c. LONG\_LENGTH
- d. 10s
- e. SHORT\_LENGTH



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What is contained within the manifest xml file?

Select one or more:

- a. All the given choices X
- b. The list of strings used in the app X
- c. The source code X
- d. The permissions the app requires ✓
- e. The package details and version ✓



Question 17

Not yet answered

Marked out of 1.0

Flag question

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

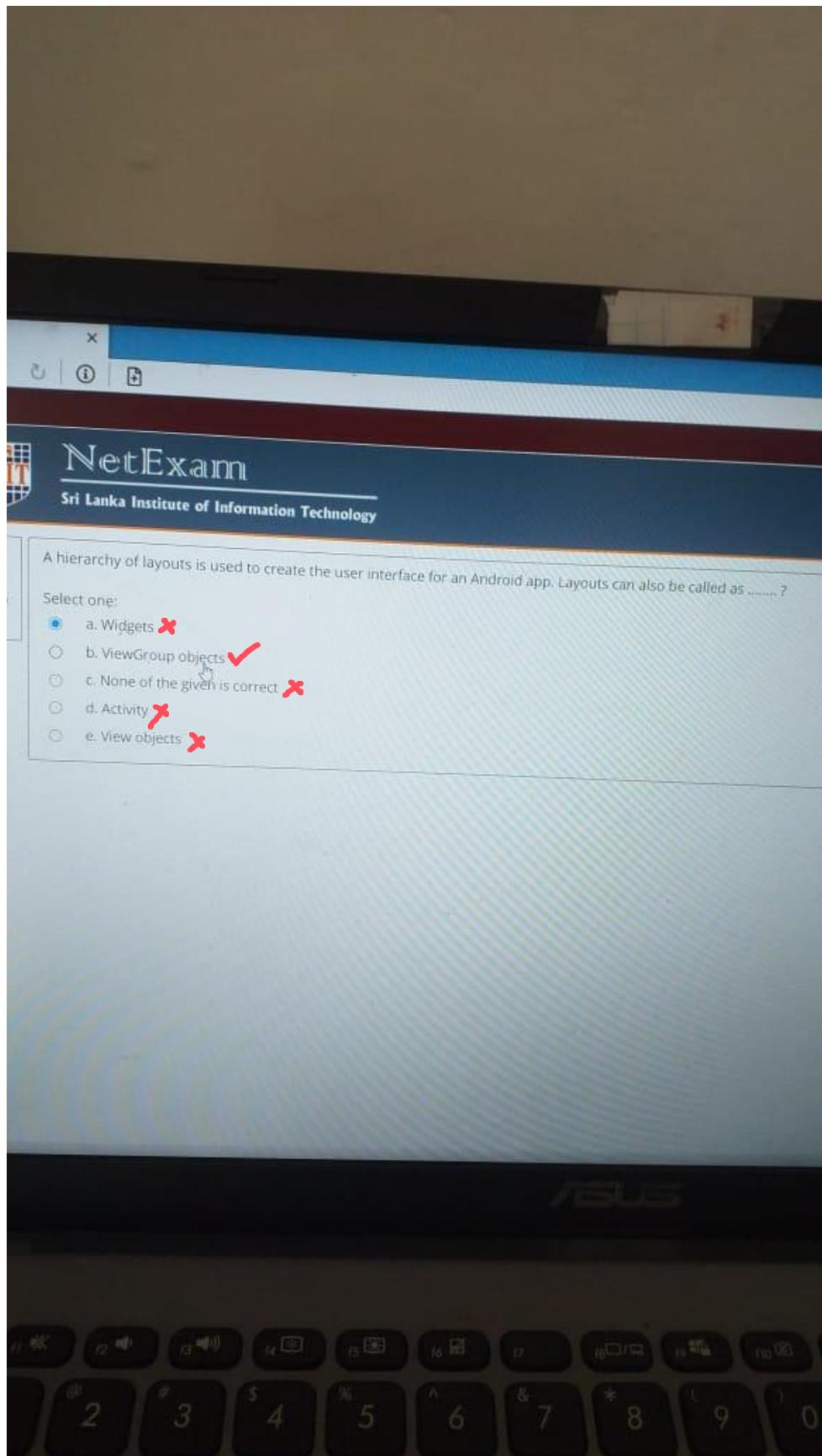
Select one:

- a. onHide() X
- b. onStop() ✓
- c. onDestroy() X
- d. onPause() X
- e. onDestroyView() X

The structure of a user interface in your app is defined by a layout. How can you declare a layout?

Select one or more:

- a. Declare UI elements in XML layout file ✓
- b. Instantiate layout elements at runtime X
- c. Declare UI elements in the java file X
- d. None of the given is correct X
- e. Instantiate layout elements in AndroidManifest.xml file X



Google Chrome

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Section 9  
Not yet answered  
Marked out of 1.0  
Flag question

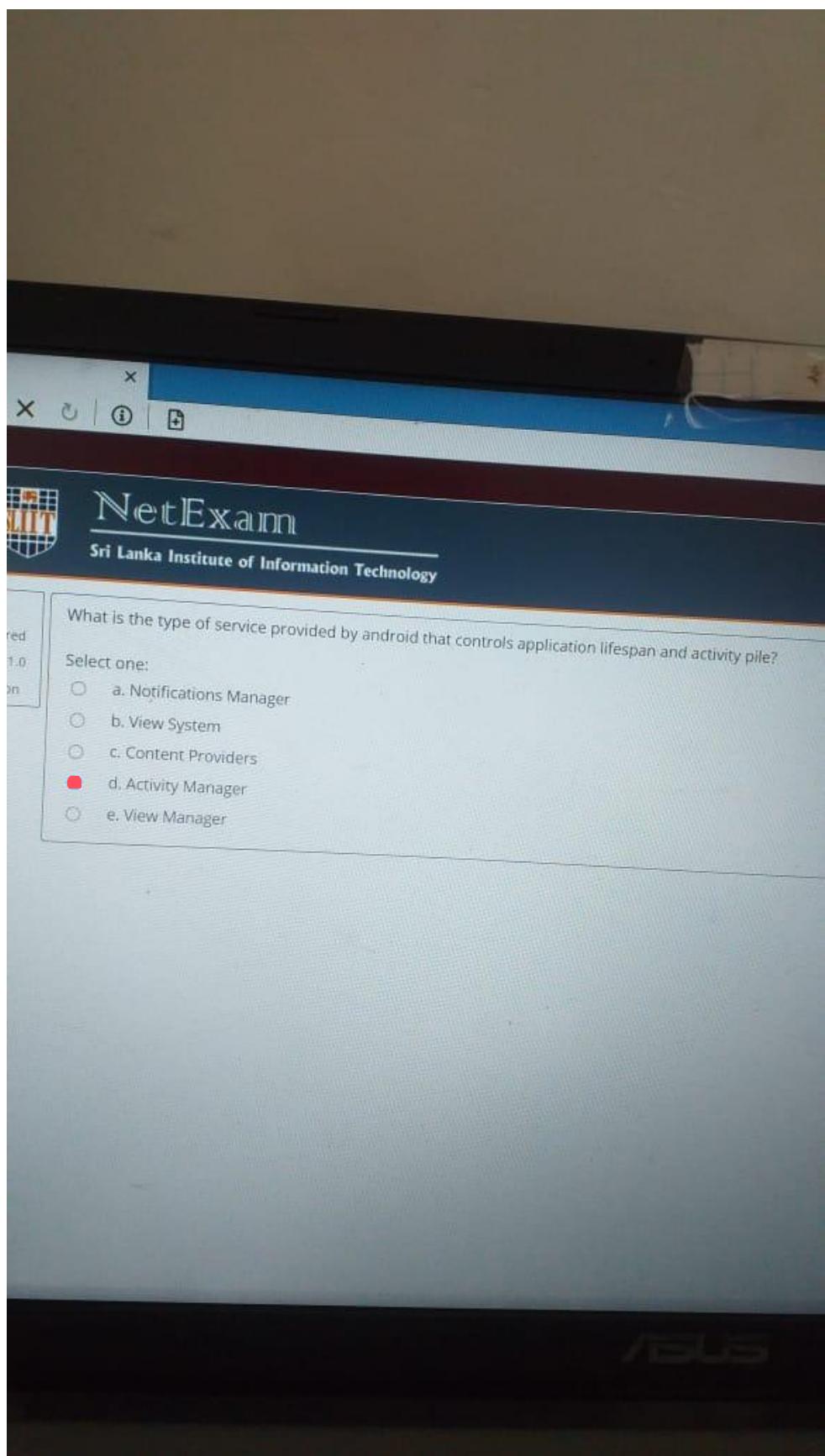
What is the use of content provider in android?

Select one or more:

- a. To send data to widgets
- b. To share the data between applications
- c. To store the data in a database
- d. To send the data from an application to another application
- e. Loads data in the UIs

1080P

The image shows a laptop screen with a NetExam online test interface. The question is "What is the use of content provider in android?". It asks to select one or more options. The options are: a. To send data to widgets, b. To share the data between applications, c. To store the data in a database, d. To send the data from an application to another application, and e. Loads data in the UIs. Options b and e are selected. The laptop screen also shows the SLIIT logo and the text "Sri Lanka Institute of Information Technology". The laptop has a 1080P resolution and is connected to a power source.



What is the use of content provider in android?

Select one or more:

- a. Loads data in the UIs
- b. To send data to widgets
- c. To store the data in a database
- d. To send the data from an application to another application
- e. To share the data between applications

What cannot be considered as the contents of build.gradle(Module) file?

Select one or more:

- a. TargetSdkVersion
- b. ApplicationName
- c. buildToolsVersion
- d. SdkVersion
- e. VersionId

The screenshot shows a mobile application window titled "NetExam" with the subtitle "Sri Lanka Institute of Information Technology". On the left, there is a vertical sidebar with some text and icons. The main content area displays a question: "What is called an Android view group?". Below the question, it says "Select one:" followed by five options, each with a radio button and a red "X" mark indicating they are incorrect. The correct answer, option a, has a blue checkmark.

What is called an Android view group?

Select one:

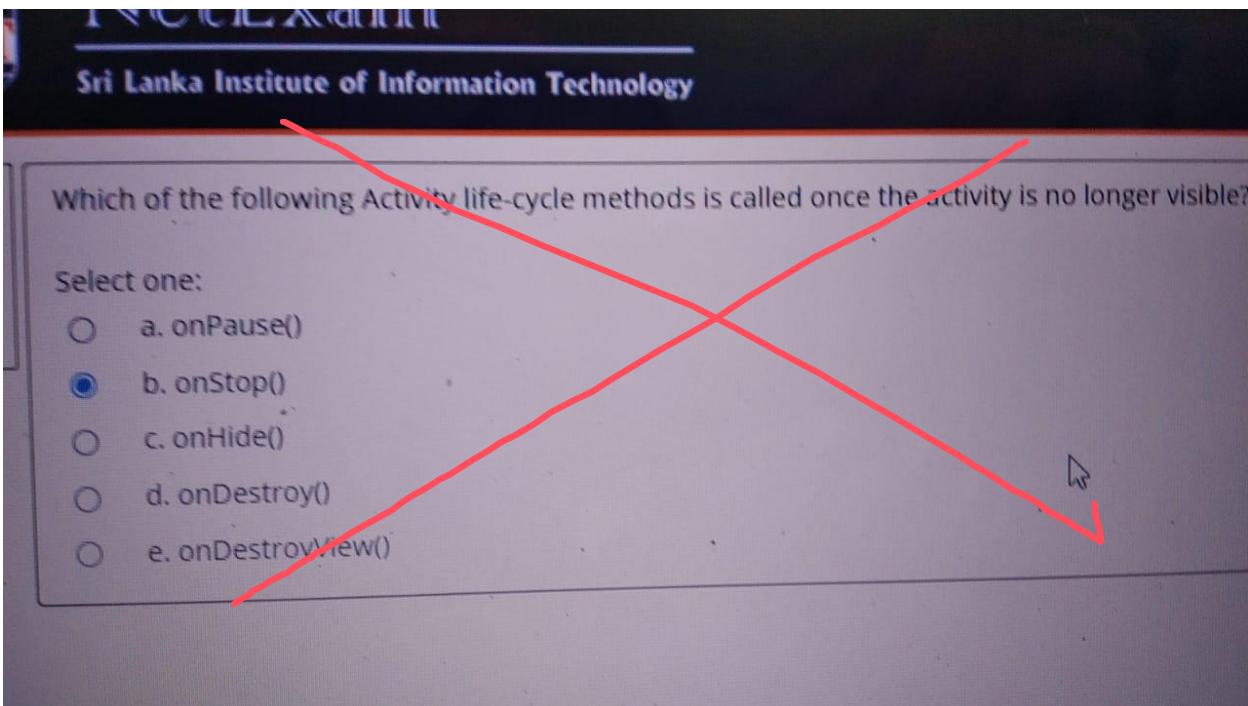
- a. Collection of views and other child views
- b. Collection of Layouts. X
- c. Layouts X
- d. Base class of building blocks X
- e. Collection of Activities X

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

Select one:

- a. onPause()
- b. onStop()
- c. onHide()
- d. onDestroy()
- e. onDestroyView()



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Which one is not a Cross-platform Mobile application development tool?

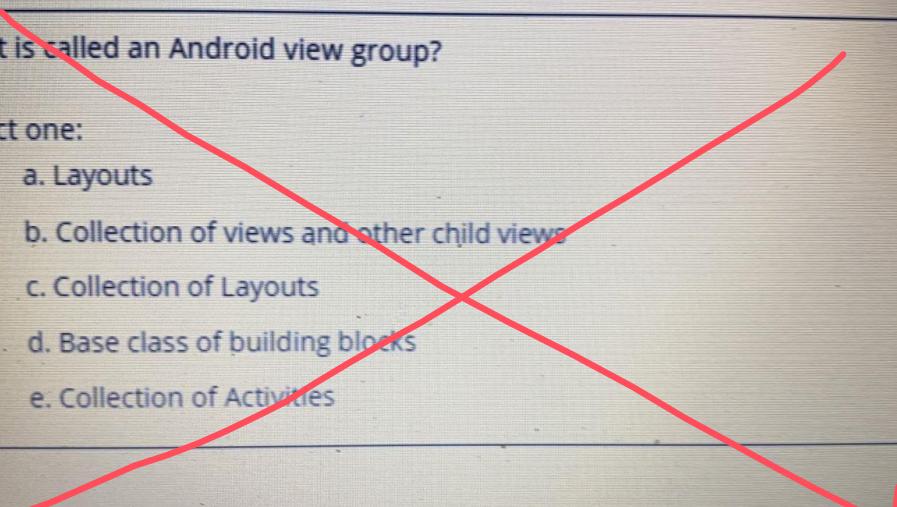
Select one or more:

- a. Ionic X
- b. Invision ✓
- c. Framer X
- d. Xamarin X
- e. PhoneGap X

What is called an Android view group?

Select one:

- a. Layouts
- b. Collection of views and other child views
- c. Collection of Layouts
- d. Base class of building blocks
- e. Collection of Activities



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Method is called when service was created first-time using onStartCommand() or onBind() is,

Select one:

- a. onRestart()
- b. onStart()
- c. onCreate()
- d. onCreateView()
- e. startService()

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

Select one:

a. onCreate()  
 b. onStart()  
 c. onStop()  
 d. onResume()  
 e. onRestore()

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How to pass the data between activities in Android?

Select one:

a. All of the Mentioned  
 b. Extras  
 c. Content Provider  
 d. Broadcast Receiver  
 e. Intent

Next

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What is the parent class of all Activity widgets?

Select one:

- a. View
- b. Layout
- c. AppCompatActivity
- d. Widget
- e. ViewGroup

 NetExam

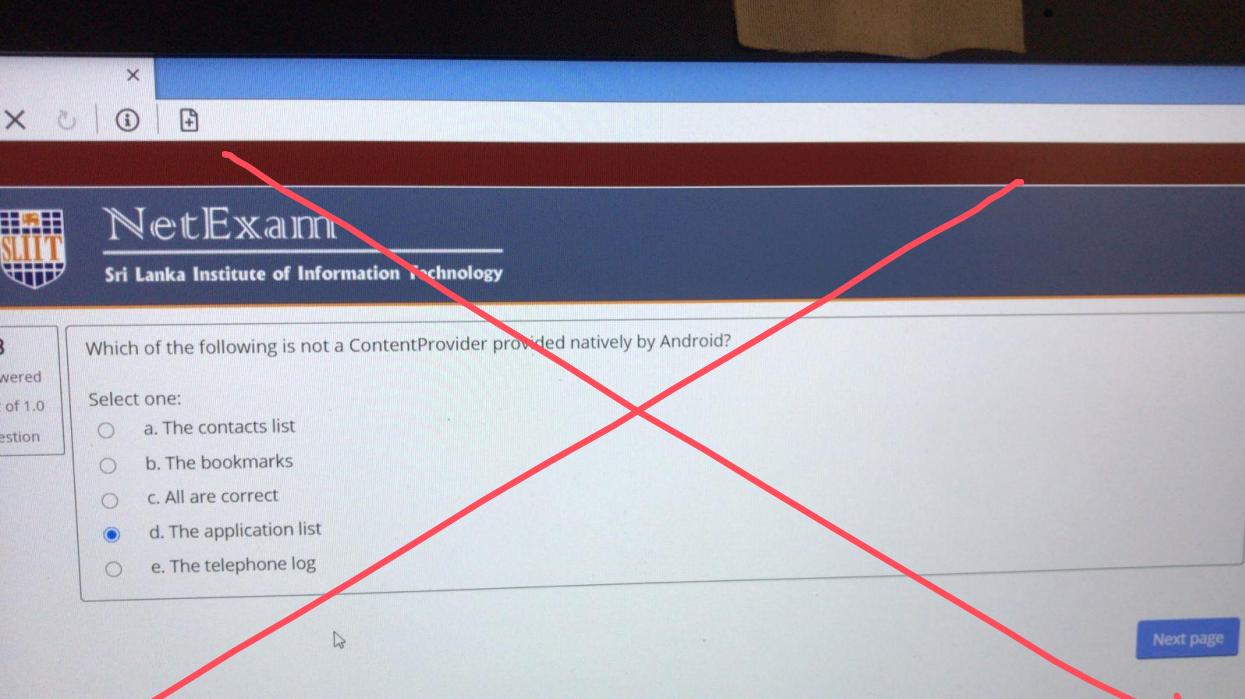
Sri Lanka Institute of Information Technology

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

Select one:

- a. The contacts list
- b. The bookmarks
- c. All are correct
- d. The application list
- e. The telephone log

[Next page](#)



**NetExam**  
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The element of palette that holds multiple elements of specific purposes is called?

Select one:

- a. Containers
- b. TextFields
- c. Activity
- d. Widgets
- e. Layouts

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

Select one:

- a. The application list
- b. The telephone log
- c. The bookmarks
- d. All are correct
- e. The contacts list

[Finish attempt ...](#)

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

Select one or more:

- a.  
Intent intent = new Intent(new Activity2());  
startActivity(intent);
- b.  
Intent intent = new Intent(this,new Activity2());  
startActivity(intent);
- c. Intent intent = new Intent(Activity1.this, Activity2.class);  
startActivity(intent);
- d.  
Intent intent = new Intent (Activity1.class, Activity2.class);  
startActivity(intent);
- e.  
Intent intent = new Intent(this, Activity2.class);  
startActivity(intent);

Module

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Question 28  
Not yet answered  
Marked out of 1.0  
Flag question

Select the Incorrect statement(s) out of the following.

Select one or more:

- a. Cross-platform mobile applications are highly dependent on different libraries and frameworks.
- b. Hybrid mobile applications can interact with other native apps.
- c. All the given statements are incorrect.
- d. Hybrid mobile applications are run on web browsers.
- e. Cross-platform mobile applications are run on web browsers.

A single screen in an app is represented by an Activity. By passing an Intent to startActivity(), you can start a new instance of an Activity. Which of the following describes an Intent?

Select one:

- a. A class that is used to navigate from one activity to another.
- b. All are correct
- c. A messaging object that allows you to request an action from another app component.
- d. Is used to perform an action on the screen
- e. An intent describes the activity to start and carries any necessary data.

Next >

For creating an Activity like Whatsapp, \_\_\_\_\_ activity is/are used

Select one or more:

- a. tabbed
- b. Fullscreen
- c. tab
- d. login
- e. navigation drawer

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Which component is not activated by an Intent?

Select one:

- a. Services
- b. broadcastReceiver
- c. All are activated by an Intent
- d. Activity
- e. contentProvider

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For creating an Activity like Whatsapp, \_\_\_\_\_ activity is/are used

Select one or more:

- a. tabbed
- b. Fullscreen
- c. tab
- d. login
- e. navigation drawer

Which of the following best explains the Android context menus?

Select one:

- a. It is a sub-menu of an options menu item
- b. It is a popup menu displays a list of items in a vertical list that's anchored to the view that invoked the menu.
- c. 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.
- d. 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."

**SLIIT** **NetExam**  
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**Question 21**  
Not yet answered  
Marked out of 1.0  
Flag question

To retrieve the bundle object \_\_\_\_\_ is used

Select one:

a. getExtras() **is used to retrieve all the extra data**  
 b. putExtras()  
 c. getExtra() only used to get specific extra data  
 d. get()

**SLIIT** **NetExam**  
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Consider the following code:

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

Which of the following is correct about the code above?

Select one or more:

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

Next

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22  
answered  
out of 1.0  
question

The system calls this method when all clients have disconnected from a particular interface published by the service.

Select one:

- a. stopSelf()
- b. stopService()
- c. onStop()
- d. onUnbind()
- e. onUnbound()

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24  
answered  
out of 1.0  
question

Suppose that there are two activities in an application named FirstActivity and SecondActivity. You want to send website name from ActivityOne to ActivityTwo. Suppose that website name is "CareerRide.com". How will you get the data in secondActivity?

Select one:

- a.  

```
Intent intent=getIntent();
String str= intent.getStringExtra("name");
Toast.makeText(this, str , Toast.LENGTH_LONG).show();
```
- b. Intent intent=getIntent();

```
String str= intent.getStringExtra("name");
Toast.makeText(this, str , Toast.LENGTH_LONG).show();
```
- c.  

```
Intent intent=new Intent();
String str= intent.getStringExtra("name");
Toast.makeText(this, str , Toast.LENGTH_LONG).show();
```
- d.  

```
Intent intent=getIntent();
String str= intent.getText("name");
Toast.makeText(this, str , Toast.LENGTH_LONG).show();
```
- e. None of the given options.

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• Which one out of these can be considered as a layout design file in Android Studio?

Select one:

- a. activity\_main.xml
- b. AndroidManifest.xml
- c. MainActivity.java
- d. MainActivity.xml
- e. main\_activity.class

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**Question 24**  
Not yet answered  
Marked out of 1.0  
 Flag question

Select the correct statement about the following XML code snippet?

```
<RadioGroup  
    android:id="@+id/radioGroup"  
    android:layout_width="346dp"  
    android:layout_height="0dp"  
    android:layout_marginTop="40dp"  
>  
<RadioButton  
    android:id="@+id/rbtncelcius"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:checked="true"  
    android:text="Celcius" />  
<RadioButton  
    android:id="@+id/cbtncfahrenhite"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:text="Fahrenhite" />  
</RadioGroup>
```

Select one:

- a. Using the RadioGroup tag, we can add the same font size and font color to the radio button.
- b. RadioGroup is used to display a frame outside the two Radio buttons.
- c. The user can select both radio buttons at a time.
- d. The user can select only one option at a time.
- e. Radio buttons are not mutually exclusive.

Next page

What are the layouts available in android?

- A. Linear Layout
- B. Relative Layout
- C. Table Layout
- D. Table Row
- E. Frame Layout

Select one:

- a. A, B & E only
- b. A & B Only
- c. A, B, C, and E only
- d. All of the mentioned
- e. A,B & C only

x

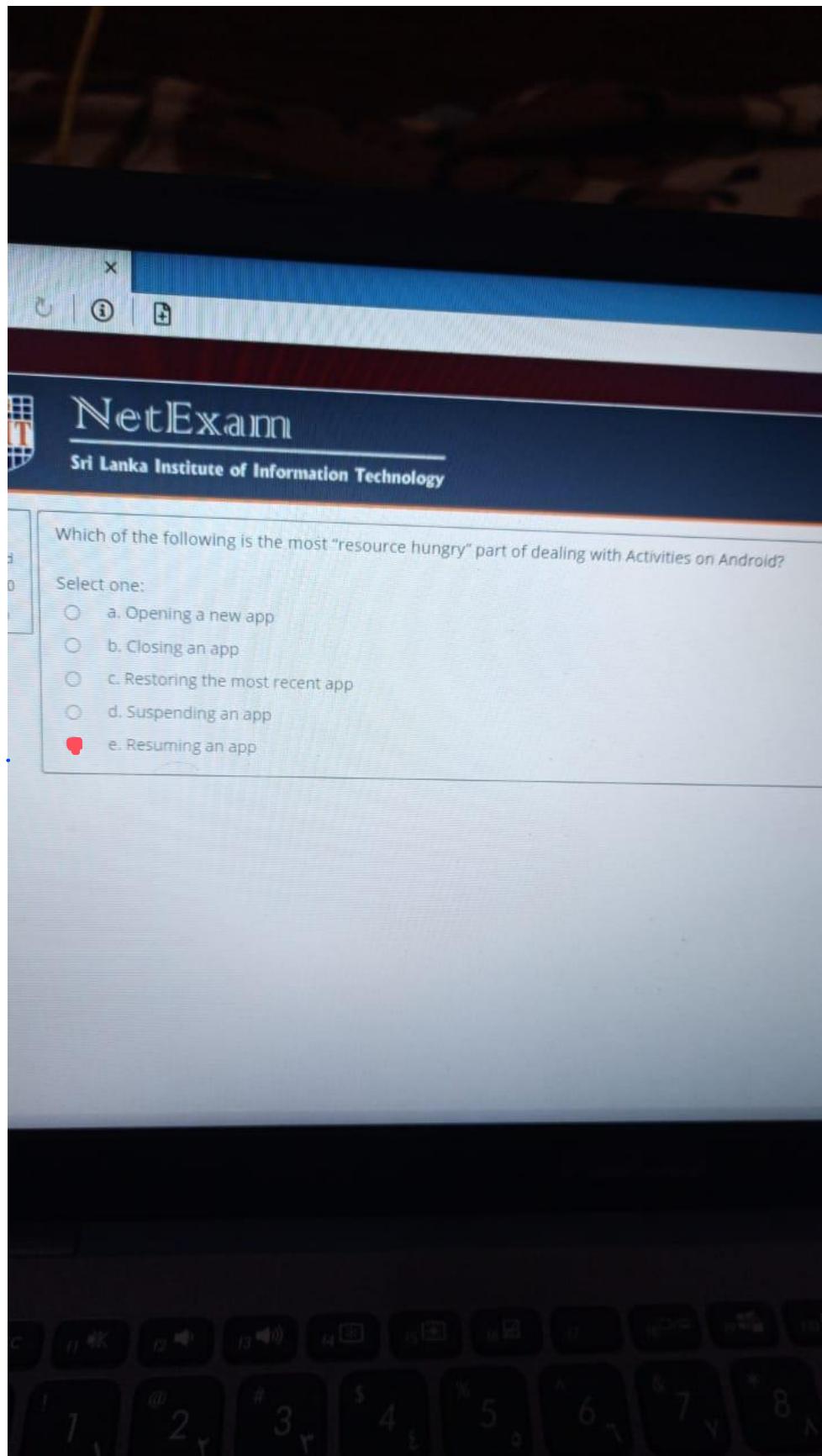
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Which of the following information is not included in the Manifest file?

Select one or more:

- a. The handset model compatible with your application.
- b. All UI IDs
- c. The activities contained in the application
- d. The application's minimum SDK version required.
- e. The permissions required by the application

3 4 5 6 7 8 9



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Question 25  
Not yet answered  
Marked out of 1.0  
[Flag question](#)

Which of the following should be used to save the unsaved data and release resources being used by an Android application?

Select one:

- a. Activity.onPause()
- b. Activity.onStop()
- c. Activity.onDestroy()
- d. Activity.onRestart()
- e. Activity.onShutdown()

 Sri Lanka Institute of Information Technology

What cannot be considered as the contents of build.gradle(Module) file?

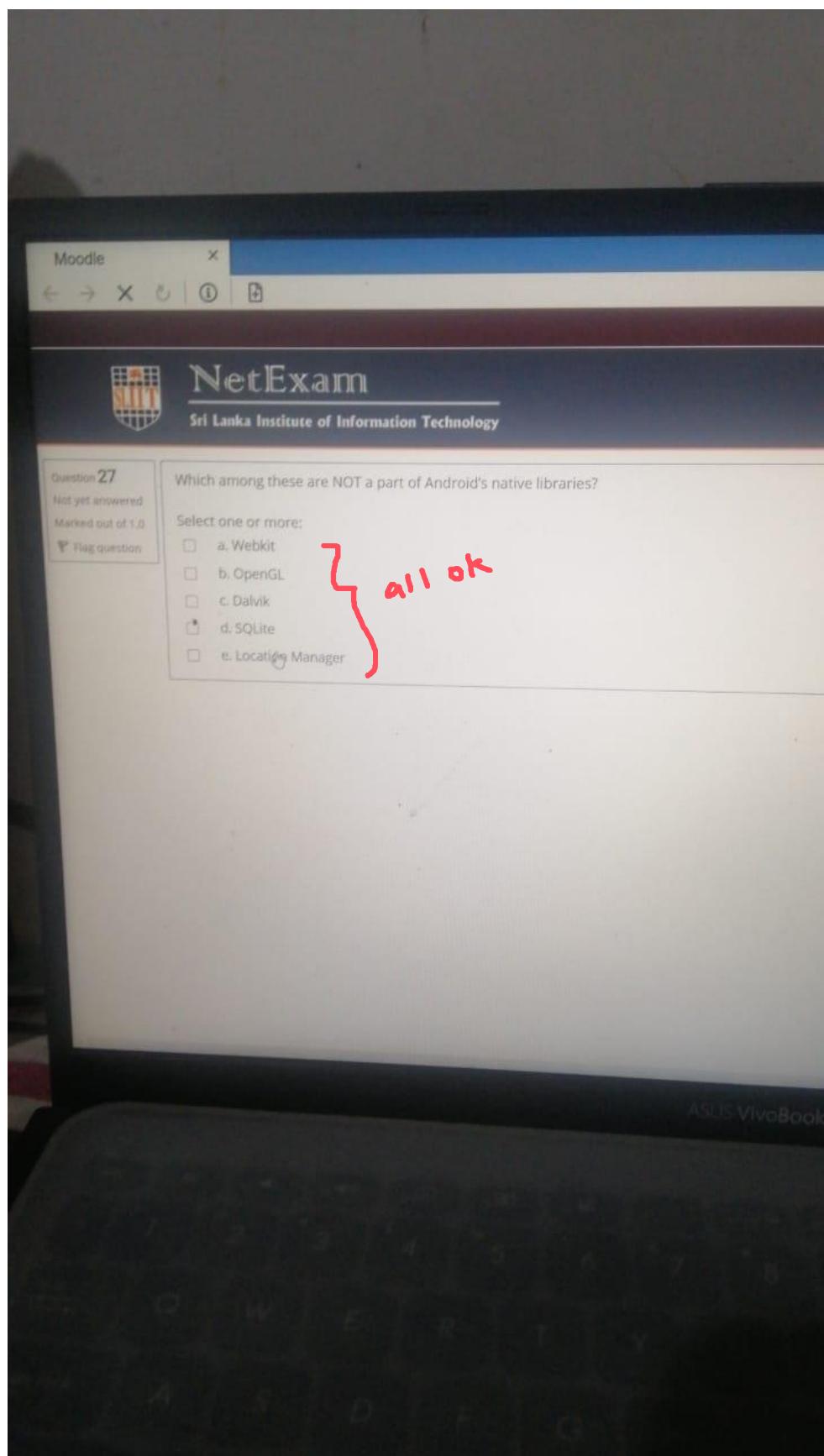
Select one or more:

- a. buildToolsVersion
- b. ApplicationName
- c. TargetSdkVersion
- d. SdkVersion
- e. VersionId

[Next page](#)

The screenshot shows a computer screen displaying the NetExam application. The interface includes a header with the logo of Sri Lanka Institute of Information Technology (SLIIT) and the text "NetExam". Below the header, the question number "Question 27" is displayed, along with the status "Not yet answered" and "Marked out of 1.0". A "Flag question" button is also present. The main content of the question is: "Which of the following contains permissions and package information in Android Studio?". The instruction "Select one:" is followed by five options, each preceded by a radio button:

- a. Java folder
- b. Values folder
- c. Manifest folder
- d. Resource folder
- e. Mipmap folder



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In android mini-activities are also known as

Select one or more:

- a. sub activity
- b. Activity
- c. Fragment
- d. Adapter
- e. Interface

What is the Android component that controls external elements of a file?

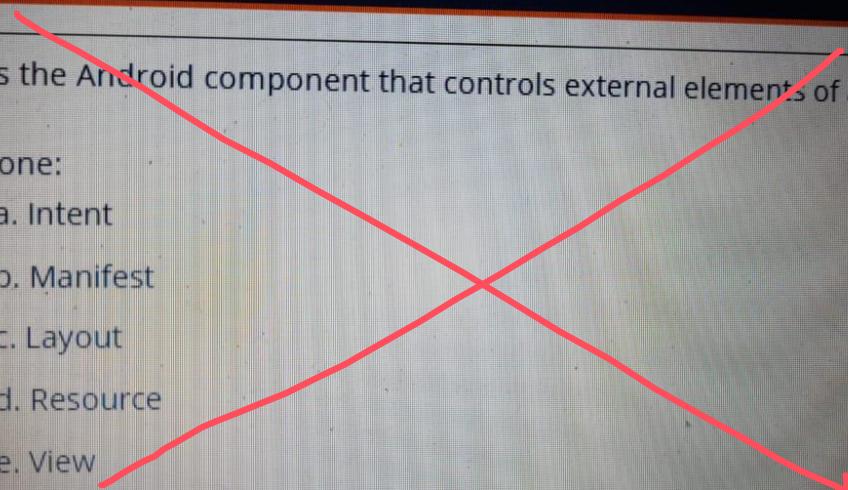
Select one:

- a. Intent
- b. Manifest
- c. Layout
- d. Resource
- e. View

What is the Android component that controls external elements of a file?

Select one:

- a. Intent
- b. Manifest
- c. Layout
- d. Resource
- e. View





What is the type of service provided by android that shows messages and alerts to users?

Select one:

- a. Activity Manager
- b. Content Providers
- c. Notifications Manager
- d. View System
- e. Toast manager



What is the type of service provided by android that shows messages and alerts to users?

Select one:

- a. Activity Manager
- b. Content Providers
- c. Notifications Manager
- d. View System
- e. Toast manager

## QUESTION

Sri Lanka Institute of Information Technology

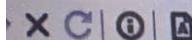
In AndroidManifest.xml file, ..... attribute specifies the name of your application.

What is the correct answer for the blank?

Select one:

- a. versionCode
- b. versionName
- c. None of the given
- d. icon
- e. label

Module



## NetExam

Sri Lanka Institute of Information Technology

on 4

not answered

ed out of 1.0

Flag question

What is/are the features that Toast cannot be done?

Select one or more:

- a. Notify application about its current status
- b. Toast messages Shown with a custom layout.
- c. Be focused or clicked.
- d. Shown with bi-direction margins
- e. Shown with a custom position at the screen with a combination of its gravity and x-y offset

**SLIIT**

# NetExam

Sri Lanka Institute of Information Technology

IT19142524 Jayasena W.K.K. IT19142524

**Question 2**  
Not yet answered  
Marked out of 1.0  
 Flag question

Which statement does not explain the fragments in android?

Select one:

- a. An activity may contain 0 or multiple numbers of fragments based on the screen size.
- b. A fragment can be reused in multiple activities
- c. Fragments are used to efficiently use the space in wider screen devices.
- d. A fragment can't exist independently.
- e. The fragment lifecycle is not affected by the activity lifecycle.

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Quiz navigation

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15	16	17	18	19	20
22	23	24	25		

Finish attempt ...  
Time left 0:23:51

**SLIIT**

# NetExam

Sri Lanka Institute of Information Technology

Online learning has become a key mode of learning in 2020. SLIIT is planning to introduce a mobile application to the students. Lecture downloading, sending feedback, attention tracking is the main features of this application. Select the incorrect statements about this application from the below list.

**on 3**  
et answered  
ed out of 1.0  
 Flag question

Select one or more:

- a. This application needs storage permissions X
- b. The size of the application can be varied over time X
- c. This application is a good example of media handling in an android application ✓
- d. All the above statements are incorrect ✓
- e. This application should be able to work without the internet ✓

NetExam  
Sri Lanka Institute of Information Technology

Online learning has become a key mode of learning in 2020. SLIIT is planning to introduce a mobile application to the students. Lecture downloading, sending feedback, attention tracking is the main features of this application. Select the incorrect statements about this application from the below list.

3 answered out of 1.0 question

Select one or more:

- a. This application needs storage permissions
- b. The size of the application can be varied over time
- c. This application is a good example of media handling in an android application
- d. All the above statements are incorrect
- e. This application should be able to work without the internet

10

Moodle

NetExam  
Sri Lanka Institute of Information Technology

it191966

Question 2  
Not yet answered  
Marked out of 1.0  
Flag question

"ABC Bank" is a leading bank in Sri Lanka and it has many customers everywhere in the country. The bank is going to introduce a mobile-based banking app that can do online banking. The customers of the bank will get a chance to manage their banking accounts, transfer money, make bill payments, and many other banking activities through the new app. Assume you were hired to develop the app. What are non-functional requirements you need to consider when you develop this application?

Select one:

- a. Usability
- b. All the given requirements should be considered.
- c. Security
- d. Performance
- e. Reliability

Quiz r

1 2  
9 10  
17 18  
25

Finish attempt  
Time left 0:2

Next page



**NetExam**  
Sri Lanka Institute of Information Technology

What is the most suitable UI element for the given XML code part?

```
<!--  
    android:id="@+id/findTheUIElement"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginTop="52dp"  
    android:layout_marginEnd="76dp"  
    android:layout_marginRight="76dp"  
    android:ems="10"  
    android:inputType="textEmailAddress"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintTop_toTopOf="parent" />
```

Select one:

- a. Button
- b. EditText
- c. CheckBox
- d. AutoCompleteTextView
- e. TextView

Moodle ← → X C | O | D \*

**NetExam**  
Sri Lanka Institute of Information Technology

Question 4  
Not yet answered  
Marked out of 1.0  
Flag question

When a referenced class can't be loaded by the JRE, Which exception is thrown by?

Select one:

- a. NoClassDefFoundError
- b. NoClassException
- c. ClassNotFoundException
- d. NoSuchClassException
- e. None of the above

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Sri Lanka Institute of Information Technology

What is Toast and when or under which condition/s should be used it?

Select one:

- a. Toast is a public method that is used to implement a user extraction and used when the user needs to click the notification.
- b. Toast is a view that contains a text which notifies the user with some information for a short period and can use toast when we want to notify the user.
- c. Toast is used for informing some messages to users and when need to change the code.
- d. Toast is used to make a layout file in an android app and used when need to get user messages.
- e. Toast is a message and is used when the user needs to change the order of the running application.

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Question 10  
Not yet answered  
Marked out of 1.0  
[Flag question](#)

What is/are include in the Mobile Context Principle in Interface Design?

Select one or more:

- a. When using the application for a long time, it should not be boring. X
- b. It has to keep communication between user and application about the status. ✓
- c. The mobile app contains good navigations through the interfaces. ✓
- d. Mobile app support for some operations in offline even it works with the network connectivity. ✓
- e. The application should achieve multiple tasks at the same time. X

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Question 3  
Not yet answered  
Marked out of 1.0  
Flag question

The following are some of the attribute values of a Button in a Constraint layout. id: button, text: Sign Up, textSize: 24sp, textStyle: bold, background: white color.

What is/are the **incorrect** line/s of code in the XML file regarding the above button?

Select one or more:

- a. android:textStyle="bold"
- b. android:textSize="24sp"
- c. android:id="button"
- d. android:text="Sign Up"
- e. android:background="@android:color/white"

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it19196602 Thiyapranath

Quiz navigation

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17	18	19	20	21
25				

Finish attempt ...  
Time left 0:20:18

Moodle

NetExam  
Sri Lanka Institute of Information Technology

Question 8  
Not yet answered  
Marked out of 1.0  
Flag question

The following application UI contains two parts, the upper section, and the lower section and the lower section. The Upper section displays the chart based on the option you have selected from the lower section. Assume you are the mobile app developer and you have to design this UI.

What is true about the following interface design?



Select one:

- a. Only one fragment is enough.
- b. It is required to add five fragments to display 5 charts separately ✓
- c. Only a single Activity is enough.
- d. One activity for the upper section and another activity for the lower section are required.
- e. Only one single activity and two fragments are enough

it19216010 Priya

Quiz navigation

1	2	3
9	10	11
17	18	19
25		

Finish attempt ...  
Time left 0:17:55

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What is/are the method/s you can override in the fragment class?

A. onAttach()  
B. onCreate()  
C. onCreateView()  
D. onActivityCreated()

Select one:

a. A and D only  
 b. All are correct ✓  
 c. A, C and D only  
 d. A and C only  
 e. A, B and C only

**PROCEDURAL**

Sri Lanka Institute of Information Technology

When you are going to create a mobile application to bring up a solution for a problem, you will inevitably come up against the question of whether to build a dynamic or static mobile application.

"ABC Pvt. Ltd" software plan to implement a mobile application according to the client requirement. But they are struggling whether to build a dynamic or static mobile application. The company has been assigned you for research about the dynamic and static mobile application.

Select the correct statement/s from the following list according to your dynamic and static mobile application knowledge. ➔

Select one or more:

- a. According to fetch data from database we can add a number of buttons, fields, options dynamically by using XML file.
- b. Dynamic layouts create using XML to change layouts dynamically.
- c. We can add or delete any view type in XML on runtime.
- d. Static layouts create using Java so that we can add fields, buttons, options in our layout dynamically.
- e. None of the given is correct

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**NetExam**

Sri Lanka Institute of Information Technology

Section 7  
Not yet answered  
Marked out of 1.0  
Flag question

What is/are true about the following code segment?

```
Fragment newFragment = new ExampleFragment();
FragmentTransaction transaction = getSupportFragmentManager().beginTransaction();

transaction.replace(R.id.fragment_container, newFragment);
transaction.addToBackStack(null);

transaction.commit();
```

Select one or more:

- a. Display information of stack on fragment
- b. newFragment replaces whatever fragment (if any) is currently in the layout container identified by the R.id.fragment\_container ID.
- c. Create a new fragment and add a new transaction for that fragment.
- d. Calling commit () perform the transaction immediately.
- e. Replace one fragment with another, and preserve the previous state in the back stack

Quiz navigation

1	2	3	4
9	10	11	12
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Finish attempt...  
Time left 0:16:39

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"ABC Bank" is a leading bank in Sri Lanka and it has many customers everywhere in the country. The bank is going to introduce a mobile-based banking app that can do online banking. The customers of the bank will get a chance to do manage their banking accounts, transfer money, make bill payments, and many other banking activities through the new app. Assume you were hired to develop the app.

When making a payment through the app, it needs to confirm the action. What is the most suitable and, secure way to do the confirmation?

Select one or more:

- a. By asking the user to tap on the confirm button on a popup dialog box.
- b. By sending an email to the user with a link and ask the user to confirm by click on the link.
- c. By sending a message to the phone with a code and asking the user to enter that code on the confirmation dialog box.
- d. Asking the user to enter e-mail and password again.
- e. By asking the user to enter pre-given passcode.

Next page



10

answered

out of 1.0

question

Which describes the "View" in mobile applications?

Select one:

- a. The view is the container that defines the layout structure.
- b. View Group consists of only a set of views.
- c. Layouts can be created on Views.
- d. Buttons, text views, widgets are examples for View Groups.
- e. Views consist of objects that a user can see and interact with.

What is the correct line of code in XML to set the background color (white) of the layout?

Select one:

- a. background="@android:color/white"
- b. app:background= "@app:color/white"
- c. background = "android:color/white"
- d. android:background = "color/white"
- e. android:background="@android:color/white"



What is/are the correct statements about the intent class constructor?

Select one or more:

- a. The intent class constructor has two parameters.
- b. All statements are incorrect.
- c. The first parameter should use "class" keyword.
- d. The second parameter should use "this" keyword.
- e. "this" keyword is a reference to the current activity.

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**Question 8**  
Not yet answered  
Marked out of 1.0  
Flag question

What are the most suitable phrases that imply about User Interface(UI) and User Experience(UX) in mobile applications?

Select one or more:

- a. Good Design Thinking Methodology creates good UIs.
- b. Both UI and UX give benefit to users.
- c. User Interface attracted the users but User Experience simplifies the usage of the app.
- d. Responsiveness, Consistency, and familiarity make the user interfaces with good user experiences.
- e. Can state the User Experience as usability.

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**Question 20**  
Not yet answered  
Marked out of 1.0  
Flag question

"SuperDeals" is a food delivery service that operates in Colombo and suburbs. They record customer orders through a mobile app and let their customers give a review/rating through their app, based on them they are planning to improve their service further. Also, this app lets its customers do their payments online while they make their orders. The product owner initially wants an app that you can use to display the types of meals they offer and checkout operations.

What is the most suitable, user-friendly layout type to display food items?

Select one:

- a. Relative layout
- b. List view layout
- c. Web view layout
- d. Grid view layout
- e. Linear layout.

[Next page](#)

Moodle

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Question 9  
Not yet answered.  
Marked out of 1.0  
Flag question

One of the 2nd year student groups is going to create a social media mobile application for their MAD-mini project. In their requirement analyzing phase they identify, this application needs to handle a large number of users and they need to store images, videos, user details and, chat messages history. Finally, they decided to use SQLite as a database in this application.

What is/are your opinion about their database selection?

Select one or more:

a. SQLite is a reliable DB so, I agreed with their selection.

b. SQLite file format is cross-platform. It is an extra advantage for them.

c. SQLite hasn't any access controls so, it's not suitable.

d. SQLite file can't exceed file system limitation so, can be occurred DB handling errors.

e. SQLite is manageable, they can use it.

Next page

Sri Lanka Institute of Information Technology

```
Button loginButton = new Button(this);
loginButton.setText("Login");

Button registerButton = new Button(this);
registerButton .settext("Register");
```

What is the correct statement out of the following regarding the above code?

Select one:

a. Create two text views and set the text to text views

b. Generate only one button and view only lastly added register button.

c. Create the login button and register button and set the text to the buttons.

d. None of the given

e. compilation error

File X C | I | A

NetExam  
Sri Lanka Institute of Information Technology

22  
Answered  
out of 1.0  
question

Mobile banking has become an essential mobile application due to the lockdown situation of the country. Almost all money transactions can be handled through these mobile applications. Select the incorrect statement about this type of apps, from the following list.

Select one or more:

a. The app should automatically log off from the online portal due to inactivity

b. Security is a major concern when developing these applications

c. Light and dark color themes can be introduced since the usage of this app can be done at any time of the day.

d. The ideal model for this type of application is portrait mode.

e. The app should not allow multiple users to log in.

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Sri Lanka Institute of Information Technology

Question 12  
Not yet answered  
Marked out of 1.0  
[Flag question](#)

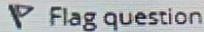
The fragment represents the behavior or a portion of UI in an Activity. Consider the following statements and what out of them?

A. You can combine multiple fragments in a single activity to build a multi-pane UI.  
B. You cannot reuse a fragment in multiple activities.  
C. An activity can contain any number of fragments.  
D. The greatest advantage of a fragment is, it simplifies the task of creating UIs for multiple screen sizes.

Select one:

a. A, C and D  
 b. A and B  
 c. A, B and C  
 d. All are correct  
 e. C and D

 Sri Lanka Institute of Information Technology

**Question 9**  
Not yet answered  
Marked out of 1.0  


Which is Not included in Principles of Mobile Interface Designing?

Select one:

- a. Mobile Contexts
- b. Gestures
- c. Launching
- d. User Inputs
- e. Consistency

 Sri Lanka Institute of Information Technology

What is/are include in the Mobile Context Principle in Interface Design?

Select one or more:

- a. Mobile app support for some operations in offline even it works with the network connectivity.
- b. When using the application for a long time, it should not be boring.
- c. The application should achieve multiple tasks at the same time.
- d. It has to keep communication between user and application about the status.
- e. The mobile app contains good navigations through the interfaces.



Question 12

yet answered  
0 out of 1.0  
Flag question

----- occupies the complete space available on the display of the device.  
What is the correct predefined value from the given answers to fill the above blank?

Select one:

- a. 24sp
- b. wrap\_content
- c. match\_parent
- d. layout\_width
- e. vertical



17

Answered  
0 out of 1.0  
Session

What is/are the incorrect statement/s about mobile application testing?

Select one or more:

- a. End-to-end tests are contained in the 'androidTest' directory.
- b. When testing software, it is important to check if it meets the user requirements as well as social requirements.
- c. The pilot version of the software is tested by real users in a controlled environment.
- d. Statements under '@Before' are executed before each test.
- e. In offline scenario Verification, mobile applications are checked by communication breaking the middle.

Next

idle

X C | i | A

 NetExam  
Sri Lanka Institute of Information Technology

3  
Answered  
of 1.0  
Question

The following XML code is a common example of using an ImageView to display an image resource: (P.S: Name of image file: my\_image.png). Select the missing code line that is matching to the given blank.

```
<LinearLayout  
    xmlns:android="http://schemas.android.com/apk/res/android"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent">  
    <ImageView  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
  
        android:contentDescription="@string/my_image_description"  
    />  
</LinearLayout>
```

Select one:

- a. android:drawable="my\_image"
- b. android:image="my\_image.png"
- c. android:src="@drawable/my\_image"
- d. android:image= "@image/my\_image"
- e. None of the given

**NetExam**  
Sri Lanka Institute of Information Technology

Question 2  
Not yet answered  
Marked out of 1.0  
 Flag question

Which statement does not explain the fragments in android?

Select one:

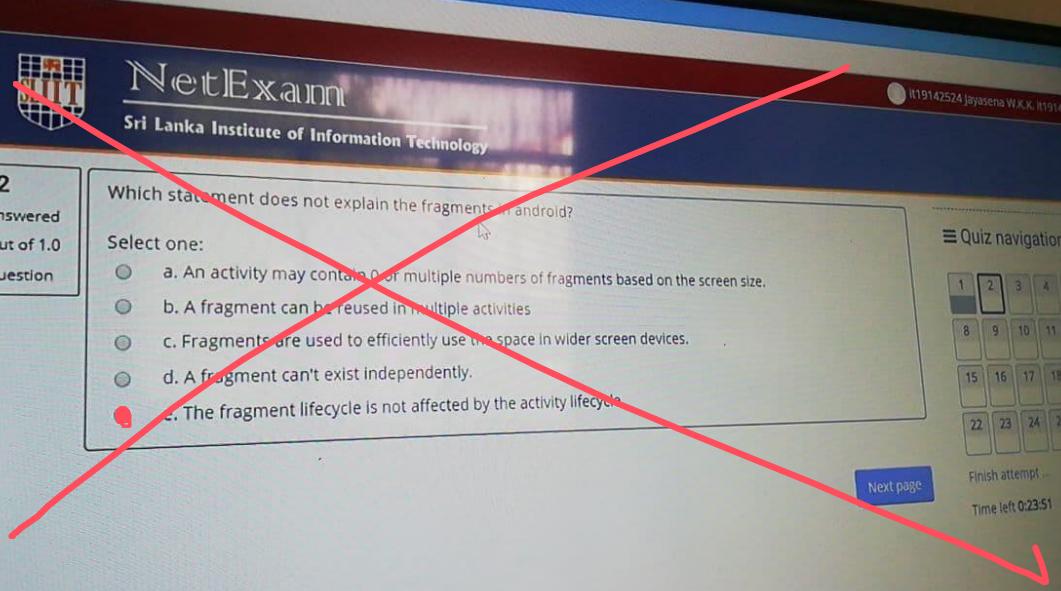
- a. An activity may contain 0 or multiple numbers of fragments based on the screen size.
- b. A fragment can be reused in multiple activities
- c. Fragments are used to efficiently use the space in wider screen devices.
- d. A fragment can't exist independently.
- e. The fragment lifecycle is not affected by the activity lifecycle.

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Finish attempt...  
Time left 0:23:51



**NetExam**  
Sri Lanka Institute of Information Technology

on 3  
et answered  
ked out of 1.0  
 Flag question

Online learning has become a key mode of learning in 2020. SLIIT is planning to introduce a mobile application to the students. Lecture downloading, sending feedback, attention tracking is the main features of this application. Select the incorrect statements about this application from the below list.

Select one or more:

- a. This application needs storage permissions
- b. The size of the application can be varied over time
- c. This application is a good example of media handling in an android application
- d. All the above statements are incorrect
- e. This application should be able to work without the internet

**NetExam**  
Sri Lanka Institute of Information Technology

What are the conditional statements available in the Kotlin?

Select one or more:

- a. Switch statement
- b. None of the given
- c. If Else if statement
- d. If statement
- e. If Else statement



# NetExam

Sri Lanka Institute of Information Technology

Answered  
of 1.0  
Question

What will get printed after executing the following code snippet in Kotlin?

```
val no = 10;
```

```
no = no + 5;
```

```
print(no++);
```

Select one:

- a. 5
- b. 16
- c. 15
- d. 10
- e. None of the given

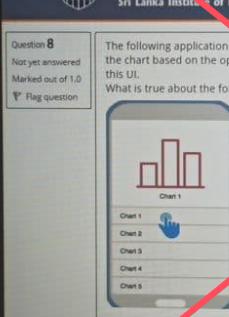
When you can iterate a string using the "for" statement in Kotlin?

Select one:

- a. In some cases
- b. Never
- c. None of the given
- d. Cannot
- e. Always

Question 8  
Not yet answered  
Marked out of 1.0  
 Flag question

The following application UI contains two parts, the upper section, and the lower section. The Upper section displays the chart based on the option you have selected from the lower section. Assume you are the mobile app developer and you have to design this UI.  
What is true about the following interface design?



Select one:

- a. Only one fragment is enough.
- b. It is required to add five fragments to display 5 charts separately.
- c. Only a single Activity is enough.
- d. One activity for the upper section and another activity for the lower section are required.
- e. Only one single activity and two fragments are enough

Quiz navigation  
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Finish attempt ...  
Time left 0:17:55

 NetExam  
Sri Lanka Institute of Information Technology

What is/are the method/s you can override in the fragment class?

A. onAttach()  
B. onCreate()  
C. onCreateView()  
D. onActivityCreated()

Select one:

b. All are correct  
 a. A and D only  
 c. A, C and D only  
 d. A and C only  
 e. A, B and C only



**Question 6**

Not yet answered

Marked out of 1.0

Flag question

Select the correct answer considering the two Kotlin code lines given below.

1. `println("Hello World");`
2. `println("Hello World")`

Select one or more:

- a. Line 1 will compile without any syntax error but line 2 will not
- b. Both lines will not compile without any syntax error
- c. Line 1 will compile without any syntax error
- d. Line 2 will compile without any syntax error
- e. Line 2 will compile without any syntax error but line 1 will not

**9**

answered

out of 1.0

question

What will be the value of "no" after executing the following Kotlin program?

```
fun main(args: Array<String>)
{
    var no: Int = 0;
    println("i--: " + no--);
    println("--i: " + --no);
}
```

Select one:

- a. -1
- b. 0
- c. -2
- d. 2
- e. 1



What can be the output of the following Kotlin program?

```
fun add(i: Int, j: Int = 5) = i + j;

fun main() {
    val res = add(2, 3);
    print(res);
}
```

Select one:

- a. None of the given
- b. This code will generate a compilation error
- c. 7
- d. 5
- e. This code will compile properly but nothing will get printed

**PROCEDURAL**

Sri Lanka Institute of Information Technology

When you are going to create a mobile application to bring up a solution for a problem, you will inevitably come up against the question of whether to build a dynamic or static mobile application.

"ABC Pvt. Ltd" software plan to implement a mobile application according to the client requirement. But they are struggling whether to build a dynamic or static mobile application. The company has been assigned you for research about the dynamic and static mobile application.

Select the correct statement/s from the following list according to your dynamic and static mobile application knowledge. ➔

Select one or more:

- a. According to fetch data from database we can add a number of buttons, fields, options dynamically by using XML file.
- b. Dynamic layouts create using XML to change layouts dynamically.
- c. We can add or delete any view type in XML on runtime.
- d. Static layouts create using Java so that we can add fields, buttons, options in our layout dynamically.
- e. None of the given is correct

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Moodle

NetExam

Sri Lanka Institute of Information Technology

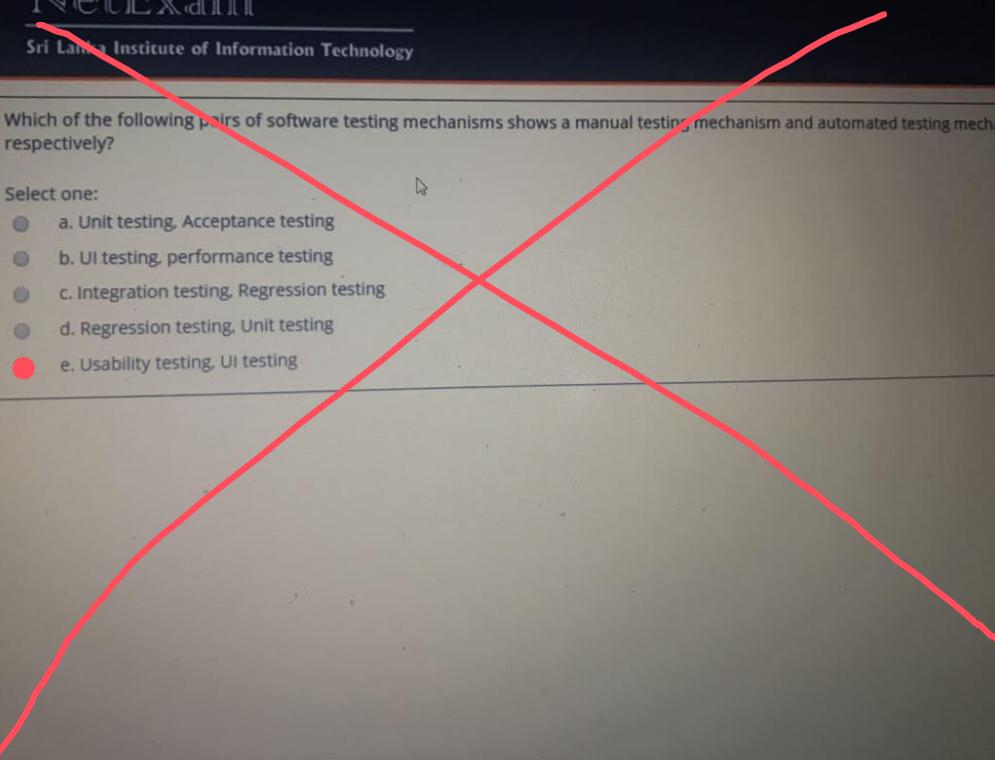
Question 9  
Not answered  
Marked out of 1.0  
Last question

Which of the following pairs of software testing mechanisms shows a manual testing mechanism and automated testing mechanism, respectively?

Select one:

- a. Unit testing, Acceptance testing
- b. UI testing, performance testing
- c. Integration testing, Regression testing
- d. Regression testing, Unit testing
- e. Usability testing, UI testing

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 NetExam  
Sri Lanka Institute of Information Technology

Section 7  
0 of 10 questions answered  
Marked out of 1.0  
\* Reg question

What is/are true about the following code segment?

```
Fragment newFragment = new ExampleFragment();  
FragmentTransaction transaction = getSupportFragmentManager().beginTransaction();  
  
transaction.replace(R.id.fragment_container, newFragment);  
transaction.addToBackStack(null);  
  
transaction.commit();
```

Select one or more:

- a. Display information of stack on fragment
- b. newFragment replaces whatever fragment (if any) is currently in the layout container identified by the R.id.fragment\_container ID.
- c. Create a new fragment and add a new transaction for that fragment.
- d. Calling commit () perform the transaction immediately.
- e. Replace one fragment with another, and preserve the previous state in the back stack

Quiz navigation

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Finish attempt ...  
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 NetExam  
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"ABC Bank" is a leading bank in Sri Lanka and it has many customers everywhere in the country. The bank is going to introduce a mobile-based banking app that can do online banking. The customers of the bank will get a chance to do manage their banking accounts, transfer money, make bill payments, and many other banking activities through the new app. Assume you were hired to develop the app.

When making a payment through the app, it needs to confirm the action. What is the most suitable and, secure way to do the confirmation?

Select one or more:

- a. By asking the user to tap on the confirm button on a popup dialog box
- b. By sending an email to the user with a link and ask the user to confirm by click on the link
- c. By sending a message to the phone with a code and asking the user to enter that code on the confirmation dialog box.
- d. Asking the user to enter e-mail and password again
- e. By asking the user to enter pre-given passcode.

[Next page](#)

**Question 5**

Not yet answered

Marked out of 1.0

Flag question

What is the correct code when converting the following Java code into Kotlin?

```
int total = 10;
```

Select one or more:

- a. Integer :total = 10;
- b. int total = 10;
- c. var total : Int; total = 10;
- d. var total = 10;
- e. total : 10 = Int;



10

answered

out of 1.0

question

Which describes the "View" in mobile applications?

Select one:

- a. The view is the container that defines the layout structure.
- b. View Group consists of only a set of views.
- c. Layouts can be created on Views.
- d. Buttons, text views, widgets are examples for View Groups.
- e. Views consist of objects that a user can see and interact with.

What is the correct line of code in XML to set the background color (white) of the layout?

Select one:

- a. background="@android:color/white"
- b. app:background= "@app:color/white"
- c. background = "android:color/white"
- d. android:background = "color/white"
- e. android:background="@android:color/white"



What is/are the correct statements about the intent class constructor?

Select one or more:

- a. The intent class constructor has two parameters.
- b. All statements are incorrect.
- c. The first parameter should use “class” keyword.
- d. The second parameter should use “this” keyword.
- e. “this” keyword is a reference to the current activity.

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Question 8  
Not yet answered  
Marked out of 1.0  
Flag question

What are the most suitable phrases that imply about User Interface(UI) and User Experience(UX) in mobile applications?

Select one or more:

- a. Good Design Thinking Methodology creates good UIs.
- b. Both UI and UX give benefit to users.
- c. User Interface attracted the users but User Experience simplifies the usage of the app.
- d. Responsiveness, Consistency, and familiarity make the user interfaces with good user experiences.
- e. Can state the User Experience as usability.

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QUESTION

Sri Lanka Institute of Information Technology

lt19142524 Jayasena W.K.K.

Question 7  
Answered  
1 out of 1.0  
Flag question

What is/are the function(s) required to convert line no. 12 of the following Java program into Kotlin?

```
9 public class Main
10 {
11     public static void main(String[] args) {
12         for (int no = 5; no >= 1; no = no - 2)
13             System.out.print(no);
14     }
15 }
```

Select one or more:

- a. step function
- b. downTo function
- c. decrement function
- d. Range function
- e. until function

Quiz navigation

1 2 3  
8 9 10  
15 16 1  
22 23

Finish attempt

Time left: 00:00:00

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**Question 8**

Not yet answered

Marked out of 1.0

Flag question

The range operator (..) in Kotlin can be used for what?

Select one or more:

- a. Only in “for” loops
- b. In “if” conditions
- c. In “when” statement
- d. In “for” loops
- e. Only in “when” statement

```
Button loginButton = new Button(this);
loginButton.setText("Login");
```

```
Button registerButton = new Button(this);
registerButton .settext("Register");
```

What is the correct statement out of the following regarding the above code?

Select one:

- a. Create two text views and set the text to text views
- b. Generate only one button and view only lastly added register button.
- c. Create the login button and register button and set the text to the buttons.
- d. None of the given 
- e. compilation error

**Question 18**

Not yet answered

Marked out of 1.0

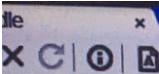
Flag question

What will be printed when you execute the following simple program in Kotlin?

```
fun main () {  
    println("5 + 8 = 13") }  
Kotlin Test: println
```

Select one:

- a. None of the given
- b.  $5 + 8 = 13$
- c. 13
- d. "5 + 8 = 13"
- e.  $5 + 8$

**22**

Answered

out of 1.0

question

Mobile banking has become an essential mobile application due to the lockdown situation of the country. Almost all money transactions can be handled through these mobile applications. Select the incorrect statement about this type of apps, from the following list.

Select one or more:

- a. The app should automatically log off from the online portal due to inactivity
- b. Security is a major concern when developing these applications
- c. Light and dark color themes can be introduced since the usage of this app can be done at any time of the day.
- d. The ideal model for this type of application is portrait mode.
- e. The app should not allow multiple users to log in.

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