QUESTION BANK
MODULE NAME: Developing Android Applications

Category - Simple

1) **Fill in the blank with single option:**
   Android Version 2.2 is also known as _____.

   ☐ **a)** Cupcake

   ☐ **b)** Donut

   ☑ **c)** Froyo

   ☐ **d)** Eclair

2) The _____ folder of an Android project consists of both compiler generated Java files and other source code files required by the project.

   ☐ **a)** bin

   ☐ **b)** assets

   ☐ **c)** src

   ☑ **d)** gen

3) A View in an Android application is in the shape of a _____.

   ☐ **a)** circle

   ☑ **b)** rectangle

   ☐ **c)** square

   ☐ **d)** triangle

4) _____ stores data as key-value pairs in an Android system.

   ☑ **a)** Shared Preferences

☐ **b)** Internal Storage

☐ **c)** External Storage

☐ **d)** SQLite Databases

5) _____ is used for displaying a list of scrollable data by using an object of the Adapter class, which acts as a bridge between view and data source.

☐ **a)** TabBar

☐ **b)** ScrollView

☐ **c)** WebView

☑ **d)** ListView

Category - Average

1) **Select the correct answers with multiple options:**
Which of the following statements about Graphics in Android are true?

☑ **a)** Android provides basic level of graphics tools such as canvases, colors filters, points, and rectangles.

☑ **b)** Android provides different techniques for performing varying graphical tasks.

☐ **c)** The technique for graphic programming does not vary depending on graphical demand such as between a 2D and 3D, static and dynamic, and so on.

☑ **d)** Graphic plays a very important role for media handling in Android.

2) **Select the correct answers with multiple options:**

Which of the following SQLiteDatabase query methods return an int value representing the number of rows affected?

- [ ] **a)** `execSQL(...)`
- [x] **b)** `update(...)`
- [x] **c)** `delete(...)`
- [ ] **d)** `insert(...)`

3) **Select the correct answer with single option:**

Identify the correct class of location API which is a data class representing the geographic location such as latitude, longitude, and so on.

- [ ] **a)** `LocationManager`
- [ ] **b)** `LocationProvider`
- [ ] **c)** `LocationListener`
- [x] **d)** `Location`

4) **Select the correct answer with single option:**

A service can be started from an activity or a component by passing an Intent to which of the following methods?

- [x] **a)** `startService()`
- [ ] **b)** `onStartCommand()`
- [ ] **c)** `onCreate()`
- [ ] **d)** `onBind()`

5) **Match the following:**

Bluetooth Class	Description
A) `BluetoothAdapter`	1) Is a wireless interface specification for communication between Bluetooth based devices.
B) `BluetoothDevice`	2) Is a representation of the interface like TCP socket.
C) `BluetoothSocket`	3) Is a representation of a remote Bluetooth device.
D) `Bluetooth Profile`	4) Is a representation of the local Bluetooth adapter.

[✓] **a)** A-4, B-3, C-2, D-1

[ ] **b)** A-2, B-1, C-4, D-3

[ ] **c)** A-1, B-2, C-3, D-4

[ ] **d)** A-3, B-2, C-4, D-1

Category – Difficult

1) **Select the correct answer with single option:**

Identify the correct syntax of the `sendTextMessage()` method.

[ ] **a)**
```
public void sendTextMessage (String scAddress, String text,
PendingIntentsentIntent, PendingIntent deliveryIntent)
```

[✓] **b)**
```
public void sendTextMessage (String destinationAddress, String
scAddress, String text, PendingIntentsentIntent, PendingIntent
deliveryIntent)
```

[ ] **c)**
```
public void sendTextMessage (String destinationAddress, String
scAddress, PendingIntentsentIntent, PendingIntent
deliveryIntent)
```

[ ] **d)**
```
public void sendTextMessage (String destinationAddress, String
text, PendingIntentsentIntent, PendingIntent deliveryIntent)
```

2) **Select the correct answer with single option:**

Identify the correct steps for publishing an android application to Playstore.

a)   1. Create a signed .apk file.
2. Sign in to the playstore account.
3. Add a new application.
4. Store Listing.
5. Upload the application screenshots.
6. Categorize details.
7. Enter contact information.
8. Upload the .apk file.
9. Pricing and distribution.
10. Publish the application.

b)   1. Create a signed .apk file.
2. Sign in to the playstore account.
3. Add a new application.
4. Store Listing.
5. Upload the .apk file.
6. Pricing and distribution.
7. Publish the application.

c)   1. Create a signed .apk file.
2. Sign in to the playstore account.
3. Add a new application.
4. Enter contact information.
5. Upload the .apk file.
6. Store Listing.
7. Upload the application screenshots.
8. Categorize details.
9. Pricing and distribution.
10. Publish the application.

d)   1. Upload the application screenshots.
2. Categorize details.
3. Enter contact information.
4. Upload the .apk file.
5. Pricing and distribution.
6. Publish the application.

3)   **Select the correct answer with single option:**

Identify the code showing correct usage of Dialog theme in AndroidManifest.xml.

a)   `<activity theme="@android:style/Theme.Dialog">`

- [ ] **b)** `<activity android.theme="@android:style/Theme.Dialog">`

- [ ] **c)** `<activity android:theme="@android:style/Dialog">`

- [x] **d)** `<activity android:theme="@android:style/Theme.Dialog">`

4) **Select the correct answers with multiple options:**
The internal storage directory for saving files can be obtained by using which of the following methods?

- [ ] **a)** `openFileInput()`

- [ ] **b)** `mkdirs()`

- [x] **c)** `getCacheDir()`

- [x] **d)** `getFilesDir()`

5) **Select the correct answers with multiple options:**

To develop a database application, which of the following points are to be considered?

- [x] **a)** To create a database for your Android App, the developer needs to use the Android API package such as `android.database.sqlite`.

- [ ] **b)** The developer needs to delete the existing `sqlite` object.

- [x] **c)** The developer needs to create a class which is a subclass of `android.database.sqlite.SQLiteOpenHelper` class.

- [x] **d)** The developer needs to import `android.database.sqliteSQLiteDataBase` class.