


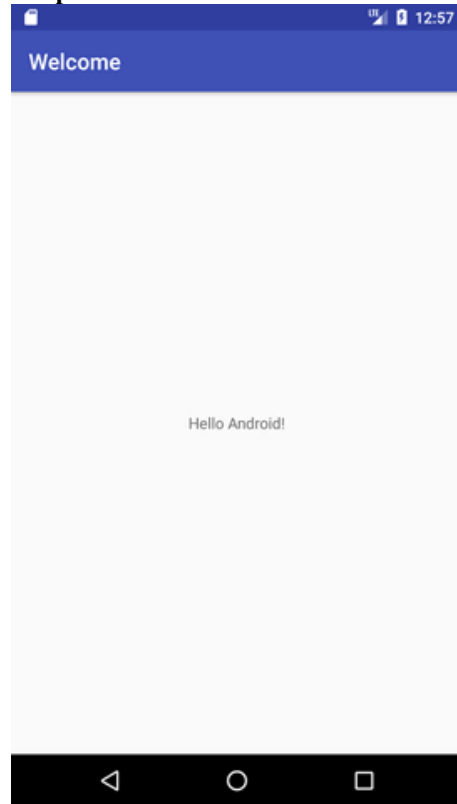
Name: Enrolment No:	 UPES <small>UNIVERSITY WITH A PURPOSE</small>
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, December 2020 Course: Mobile Application development Semester: VIIth Program: B.Tech. CSE-OGI Time : 03 hrs. Course Code: CSMC3001 Max. Marks: 100	
Instructions: Attempt all questions.	
Section A (Question 1 to 4 are Objective, Question 5&6 are fill in the blanks.)	
Q1 In android studio, callback that is called when activity interaction with user is started is(5 Marks) A. onStart B. onStop C. onResume D. onDestroy	CO3
Q2 A type of service provided by android that shows messages and alerts to user is(5 Marks) A. Content Providers B. View System C. Notifications Manager D. Activity Manager	CO2
Q 3 - What is APK in android? (5 Marks) A - Android packages B - Android pack C - Android packaging kit D - None of the above.	CO1
Q 4 - What is Android? (5 Marks) A - Android is a stack of software's for mobility B - Google mobile device name C - Virtual machine D - None of the above	CO1
Q5 R is a special Java class that enables you to retrieveto resources in your app. (5 Marks)	CO2
Q6 AVD stands for(5 Marks)	CO1
Section B	
Q7. Write Short note on AndroidManifest.xml file in android. (10 Marks)	CO4
Q8. Complete the following missing code indicated by XXXXXXXXXXXXXXX for output screen below: (10Marks, CO 4) <i>File: activity_main.xml</i> → <pre> <?xml version="1.0" encoding="utf-8"?> <android.support.constraint.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android" xmlns:app="http://schemas.android.com/apk/res-auto" xmlns:tools="http://schemas.android.com/tools" android:layout_width="match_parent" android:layout_height="match_parent" tools:context=" Android.UPES.com.welcome.MainActivity"> <TextView</pre>	

```
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="XXXXXXXXXXXX"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintLeft_toLeftOf="parent"
app:layout_constraintRight_toRightOf="parent"
app:layout_constraintTop_toTopOf="parent" />
```

```
</android.support.constraint.ConstraintLayout>
```

```
}
```

Output Screen:



File: MainActivity.java →

```
package Android.UPES.com.welcome;
```

```
import android.support.v7.app.AppCompatActivity;
```

```
import android.os.Bundle;
```

```
public class XXXXXXXX extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.XXXXXXXXXX);
    }
}
```

<pre> } } </pre>	
Q9. Android architecture or Android software stack is categorized into how many parts. Explain each part in short. (10 Marks)	CO2
Q10. Elaborate about any 5 widgets of Android. Further write one line Java syntax of methods associated with these widgets. OR Write one line XML syntax associated with these widgets. (10 Marks)	CO2
Q11. Write syntax and explain any 5 lifecycle methods of android activity. (10 Marks)	CO3
Section C	
Q12. What is SQLite? What does SQLiteOpenHelper class provides? Write the one line syntax of two SQLiteOpenHelper class constructors and any four SQLiteOpenHelper class methods. Also elaborate about these constructors and methods in short. (4+4+12=20 Marks)	CO5