

GANPAT UNIVERSITY
U. V. PATEL COLLEGE OF ENGINEERING
B. TECH. SEMESTER – V (CE/IT/CE-AI/CE-IOT)
SECOND INTERNAL EXAMINATION, OCT-2022
2CEIT5PE5: MOBILE APPLICATION DEVELOPMENT

Time: 1 Hour]**[Total Marks: 20****Instructions:**

1. Figures to the right indicate full marks.
2. Be precise and to the point in your answer.
3. Assume the suitable data wherever necessary.

Q. 1 strings.xml**[5]**

```
<resources>
    <string name="send">Send </color>
    < string name="singin">Sign In</color>
    < string name="registration"> Registration </color>
</resources>
```

colors.xml

```
<resources>
    <color name="red">#ff0000</color>
    <color name="blue">#0000ff</color>
</resources>
```

activity_main.xml

```
<LinearLayout layout_width="wrap_content" layout_height="wrap_content">
<Button
    android:background="@color/red"
    android:text="@string/send"
    layout_width="wrap_content" layout_height="wrap_content"/>
</LinearLayout>
```

Q. 2 Types of Animation:**[5]**

1. Frame by Frame Animation
2. Tween Animation
3. Property Animation
4. View Animation (Transition Animation)

anim/tween_animation.xml

```
<set xmlns:android=http://schemas.android.com/apk/res/android>
    <rotate
        android:fromDegrees="0"
        android:toDegrees="180"
        android:pivotX="50% "
        android:pivotY="50% "
        android:duration="3000" />
    <scale
        android:startOffset="3000"
        android:duration="300"
        android:fromXScale="1.0"
        android:fromYScale="1.0"
        android:pivotX="50% "
        android:pivotY="50% "
        android:toXScale="2.0"
        android:toYScale="2.0" />
```

```
</set>
```

MainActivity.kt

```
var animGrowSpin: Animation = AnimationUtils.loadAnimation(this, R.anim.tweenAnimation)
imgAnimLogo.startAnimation(animGrowSpin)
```

Q. 3 Steps:

[5]

Step-1: Add <ListView> tag in activity_main.xml file

Step-2: Create ArrayList from string array

Step-3: Create ArrayAdapter object from ArrayList

Step-4: Assign Adapter to ListView

activity_main.xml

```
<ListView
    android:id="@+id/my_listView"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
/>
```

strings.xml

```
<resources>
<string-array name="month_list">
    <item name="january ">January</item>
    <item name="february"> february </item>
    <item name="march"> march </item>
    <item name="april"> April </item>
    <item name="may"> May </item>
    <item name="june">June</item>
    <item name="july">July</item>
    <item name="august">August</item>
    <item name="september"> september </item>
    <item name="october"> october </item>
    <item name="november"> november </item>
    <item name="december"> december </item>
</string-array>
</resources>
```

MainActivity.kt

```
val listView = (ListView) findViewById(R.id.myListView)
val items: Array = resources.getStringArray(R.array.month_list)
val itemsAdapter: ArrayAdapter<String> =
    ArrayAdapter<String>(this, android.R.layout.simple_list_item_1, items)
listView.setAdapter(itemsAdapter)
```

Q. 4 BroadcastReceiver

[5]

Regitsrer BroadcastReceiver in manifest

----------*