Name:	
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Term Examination, May 2021

Course: Mobile Technology - Banking & Insurance
Program: B.Tech. CSE-BFSI
Course Code: CSBI3011

Semester: VI
Time 03 hrs.
Max. Marks:100

Instructions: Attempt all the questions.

SECTION A (Question 1 to 6 are Objective)

S. No.		Marks	CO

Q 1	What is breakpoint in android?
	   A. Breaks the application
	   B. Breaks the development code
	   C. Breaks the execution.
	   D. None of the above.
		5	CO1

Q 2	What is fragment in android?
	   A. JSON
	   B. Peace of Activity
	   C. CorrectLayout
	   D. None of the above
		5	CO4

Q 3	In android studio, callback that is called when activity interaction with user is started is A. onStart B. onStop C. onResume D. onDestroy	5	CO3
Q 4	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	5	CO4
Q 5	Explain android activity life cycle? A - onCreate() $\rightarrow$ onStart() $\rightarrow$ onActivityStarted() $\rightarrow$ onResume() $\rightarrow$ onPause() $\rightarrow$ onStop() $\rightarrow$ onActivityDistroy() $\rightarrow$ onDestroy() B - OnCreate() $\rightarrow$ onStart() $\rightarrow$onResume() $\rightarrow$ onPause() $\rightarrow$ onStop() $\rightarrow$ onRestart() $\rightarrow$ onDestroy() C - OnCreate() $\rightarrow$ onStart() $\rightarrow$ onPause() $\rightarrow$ onResume() $\rightarrow$ onStop() $\rightarrow$ onDestroy() D - $\rightarrow$onResume()	5	CO2
Q 6	What is Manifest.xml in android? A - It has information about layout in an application	5	CO2

	B - It has the information about activities in an application		
	C - It has all the information about an application		
	D - None of the above		
	SECTION B		
Q 7	**Write a single line XML/Java code for following:** A. What XML code Add a String to *strings.xml*? B. What XML code Reference a String in the layout? C. What XML code add an array of String values to *strings.xml?*	**10**	**CO1**
Q8	A. Following statement specifies which type of intent: Intent intent = new Intent(this, Target.class);. B. Following statement specifies which type of intent: Intent intent = new Intent(action);.	**10**	**CO4**

Q 9	The intent is shown below.
	Which of the activities described below intent are compatible with your action and data?
	Also give explanation for answer of each activity.
	(10 Marks)
	Here is intent:
	
	Intent intent = new Intent(Intent.ACTION_SEND);
	
	intent.setType("text/plain");
	
	intent.putExtra(Intent.EXTRA_TEXT, "Hello");
	
	ActivityA
	
	<activity android:name="SendActivity">
	
	  <intent-filter>
	
	    <action android:name="android.intent.action.SEND"/>
	
	    <category android:name="android.intent.category.DEFAULT"/>
	
	    <data android:mimeType="*/*"/>
	
	  </intent-filter>
	
	</activity>
	
	ActivityB
		10	**CO3**

```
<activity android:name="SendActivity">

  <intent-filter>

    <action android:name="android.intent.action.SEND"/>

    <category android:name="android.intent.category.MAIN"/>

    <data android:mimeType="text/plain"/>

  </intent-filter>

 </activity>
```

ActivityC

```
<activity android:name="SendActivity">

  <intent-filter>

        <action android:name="android.intent.action.SENDTO"/>

        <category android:name="android.intent.category.MAIN"/>

        <category android:name="android.intent.category.DEFAULT"/>

        <data android:mimeType="text/plain"/>

  </intent-filter>

</activity>
```

Q 10	Describe methods which deal with the birth and death of the activity. Also Elaborate about methods which deal with the visibility of the activity.	**10**	**CO3**
Q 11	(match column 1 entities with column2 entities (CO1)		

	column 1:	column 2	**10**	**CO1**
	1. AndroidManifest.xml 2. An APK 3. strings.xml 4. An AVD Spinner is a	A. It runs in the Android emulator and mimics a physical Android device B. contains information about the app itself. It lives in the app/src/main folder C. drop-down list of values. D. It's like a JAR file for Android apps, and contains your app bytecode, libraries, and resources. E. It's used to separate out text values from the layouts and activities, and supports localization.		

SECTION-C

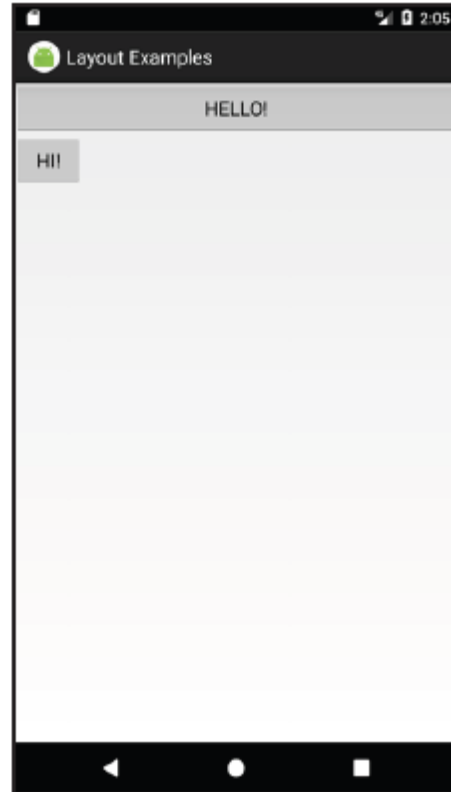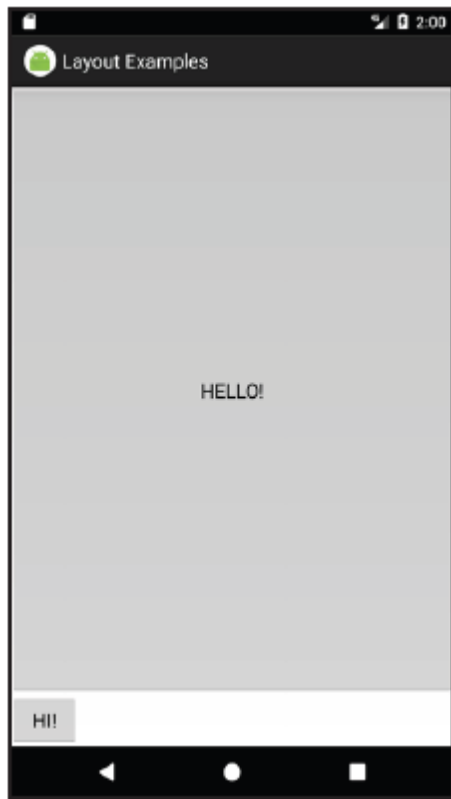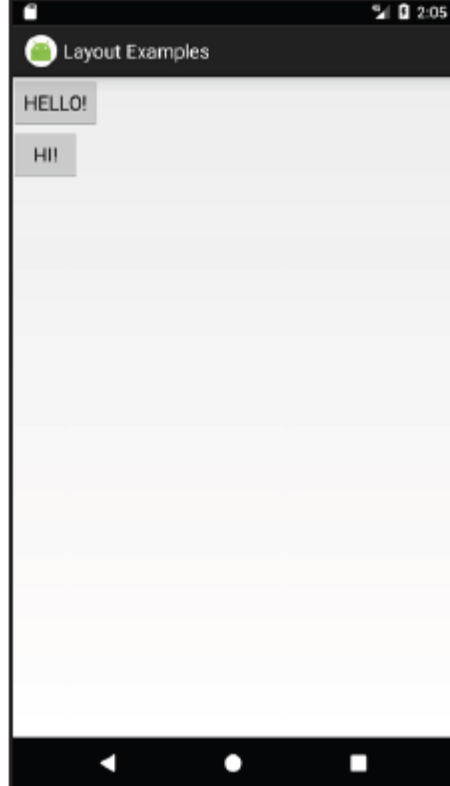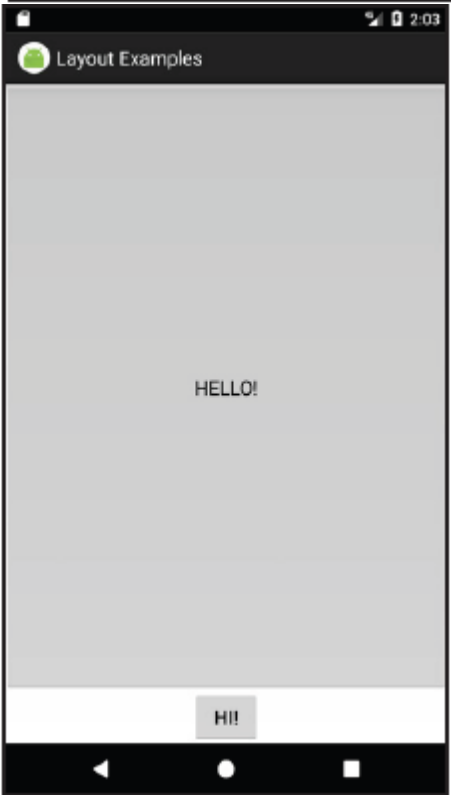| Q 12	Discuss about Button with complete example syntax code in Java and XML.	**20**	**CO3**
	Or		
Q 12	Three of the five screens below were made from layouts given on next page. Your job is to match each of the three layouts to the screen that the layout would produce.	**20**	**CO4**

	Linear layout A: <LinearLayout xmlns:android= "http://schemas.android.com/apk/res/android"		

```xml
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:orientation="vertical"
tools:context="com.hfad.views.MainActivity" >
<Button
android:layout_width="match_parent"
android:layout_height="match_parent"
android:text="HELLO!" />
</LinearLayout>
```

Linear layout B:
```xml
<LinearLayout xmlns:android=
"http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:orientation="vertical"
tools:context="com.hfad.views.MainActivity" >
<Button
android:layout_width="match_parent"
android:layout_height="0dp"
android:layout_weight="1"
android:text="HELLO!" />
<Button
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="HI!" />
</LinearLayout>
```

Linear layout C:
```xml
<LinearLayout xmlns:android=
"http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:orientation="vertical"
tools:context="com.hfad.views.MainActivity" >
<Button
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="HELLO!" />
<Button
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="HI!" />
</LinearLayout>
```