**Logo, company name

Description automatically generated**

**BCI3283 – MOBILE APPLICATION DEVELOPMENT**

**SEMESTER 1 SESSION 2021/2022**

**MID-TERM TEST**

**Prepared by:**

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| --- | --- | --- | --- |
| **No** | **Name** | **ID** | **Section** |
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**Question 1**

Output

Graphical user interface, application

Description automatically generated

Code

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout 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"  
 android:background="#7f95a8"  
 tools:context="com.example.midtermtest.MainActivity"  
 tools:showIn="@layout/activity\_main\_class">  
  
 <LinearLayout  
 android:id="@+id/lv"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_alignParentTop="true"  
 android:orientation="vertical"  
 android:weightSum="1">  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Name"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:textColor="#010000"  
 android:textStyle="bold" />  
  
 <EditText  
 android:id="@+id/ed1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="0.29"  
 android:background="#feeda9"  
 android:textColor="#010000" />  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="61dp"  
 android:layout\_weight="0.01"  
 android:orientation="horizontal">  
  
 <TextView  
 android:id="@+id/textView2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="bottom"  
 android:text="Age "  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:textColor="#010000"  
 android:textStyle="bold" />  
  
 <EditText  
 android:id="@+id/ed2"  
 android:layout\_width="50dp"  
 android:layout\_height="36dp"  
 android:layout\_gravity="bottom"  
 android:background="#feeda9"  
 android:textColor="#010000" />  
  
 <RadioGroup  
 android:id="@+id/rg"  
 android:layout\_width="190dp"  
 android:layout\_height="44dp"  
 android:layout\_gravity="bottom|right"  
 android:orientation="horizontal">  
  
 <RadioButton  
 android:id="@+id/rb1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="left|bottom|center\_horizontal"  
 android:checked="false"  
 android:text="Male" />  
  
 </RadioGroup>  
  
 <RadioButton  
 android:id="@+id/rb2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="bottom|right"  
 android:checked="false"  
 android:text="Female" />  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="232dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical|right"  
 android:layout\_weight="0.86"  
 android:orientation="horizontal">  
  
 <Button  
 android:id="@+id/btn"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:onClick="btntxt"  
 android:text="Show text"  
 android:textColor="#000000"  
 android:textStyle="bold" />  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="423dp"  
 android:layout\_height="270dp"  
 android:orientation="vertical"  
 android:weightSum="1">  
  
 <TextView  
 android:id="@+id/textView3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Text View"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:textColor="#000000"  
 android:textStyle="bold" />  
  
 <EditText  
 android:id="@+id/ed3"  
 android:layout\_width="327dp"  
 android:layout\_height="191dp"  
 android:layout\_gravity="center"  
 android:background="#feeda9" />  
 </LinearLayout>  
 </LinearLayout>  
</RelativeLayout>

**Question 2**

1.

|  |
| --- |
| Incorrect |
| <androidx.constraintLayout.widget.ConstraintLayout  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  tools:context=".MainActivity"  android:layout\_margin="10dp"> |
| Correct |
| <androidx.constraintlayout.widget.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=".question3"> |

2.

|  |
| --- |
| Incorrect |
|  |
| Correct |
| <TextView  android:id="@+id/textView"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginStart="19dp"  android:layout\_marginTop="16dp"  android:layout\_marginEnd="68dp"  android:layout\_marginBottom="16dp"  android:text="Personal Information"  app:layout\_constraintBottom\_toTopOf="@+id/editTextTextPersonName"  app:layout\_constraintEnd\_toStartOf="@+id/imageView"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent" /> |

3.

|  |
| --- |
| Incorrect |
|  |
| Correct |
| <androidx.appcompat.widget.AppCompatRadioButton  android:id="@+id/male"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginTop="21dp"  android:layout\_marginEnd="9dp"  android:text="Male"  app:layout\_constraintEnd\_toStartOf="@+id/female"  app:layout\_constraintTop\_toBottomOf="@+id/gender" />  <androidx.appcompat.widget.AppCompatRadioButton  android:id="@+id/female"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginStart="43dp"  android:text="Female"  app:layout\_constraintBaseline\_toBaselineOf="@+id/male"  app:layout\_constraintStart\_toEndOf="@+id/textView" /> |

4.

|  |
| --- |
| Incorrect |
| android:id="id/tennis" |
| Correct |
| android:id="@+id/tennis" |

5.

|  |
| --- |
| Incorrect |
|  |
| Correct |
| <EditText  android:id="@+id/editTextTextPersonName"  android:layout\_width="0dp"  android:layout\_height="0dp"  android:layout\_marginStart="14dp"  android:layout\_marginEnd="7dp"  android:layout\_marginBottom="14dp"  android:ems="10"  android:hint="Name"  android:inputType="textPersonName"  app:layout\_constraintBottom\_toTopOf="@+id/editTextPhone"  app:layout\_constraintEnd\_toStartOf="@+id/imageView"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/textView" /> |

6.

|  |
| --- |
| Incorrect |
| <TextView  android:id="@+id/editTextPhone"  android:layout\_width="0dp"  android:layout\_height="0dp"  android:layout\_marginStart="16dp"  android:layout\_marginEnd="14dp"  android:layout\_marginBottom="582dp"  android:ems="10"  android:hint="Phone"  android:inputType="text"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="@+id/editTextTextPersonName"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/editTextTextPersonName" /> |
| Correct |
| <EditText  android:id="@+id/editTextPhone"  android:layout\_width="0dp"  android:layout\_height="0dp"  android:layout\_marginStart="16dp"  android:layout\_marginEnd="14dp"  android:layout\_marginBottom="582dp"  android:ems="10"  android:hint="Phone"  android:inputType="text"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="@+id/editTextTextPersonName"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/editTextTextPersonName" /> |

7.

|  |
| --- |
| Incorrect |
|  |
| Correct |
| <ImageView  android:id="@+id/imageView"  android:layout\_width="0dp"  android:layout\_height="168dp"  android:layout\_marginTop="16dp"  android:layout\_marginEnd="16dp"  android:src="@drawable/ic\_launcher\_background"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toEndOf="@+id/textView"  app:layout\_constraintTop\_toTopOf="parent"  tools:srcCompat="@mipmap/ic\_launcher" /> |

8.

|  |
| --- |
| Incorrect |
|  |
| Correct |
| <Button  android:id="@+id/submit"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginTop="18dp"  android:text="Submit"  app:layout\_constraintStart\_toEndOf="@+id/textView"  app:layout\_constraintTop\_toBottomOf="@+id/editTextTextPostalAddress" /> |

9.

|  |
| --- |
| Incorrect |
|  |
| Correct |
| <EditText  android:id="@+id/editTextTextPostalAddress"  android:layout\_width="0dp"  android:layout\_height="63dp"  android:layout\_marginStart="19dp"  android:layout\_marginTop="205dp"  android:layout\_marginEnd="19dp"  android:layout\_marginBottom="204dp"  android:ems="10"  android:hint="Postal Address"  android:inputType="textPostalAddress"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/basket" /> |

10.

|  |
| --- |
| Incorrect |
|  |
| Correct |
|  |