GANPAT UNIVERSITY
U. V. PATEL COLLEGE OF ENGINEERING
B. TECH. SEMESTER – V (CE/IT/CE-AI)
FIRST INTERNAL EXAMINATION, SEP-2021
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.

Q-1   **[A]** Activity class has one member variable which will be later initialized in onCreate() Method   **[3]** then which keyword of kotlin is used to declare that variable in Activity class?
[B] Write Student class in kotlin which inherits from Person Class by using Primary and secondary Constructor. (Assume class member variable accordingly)
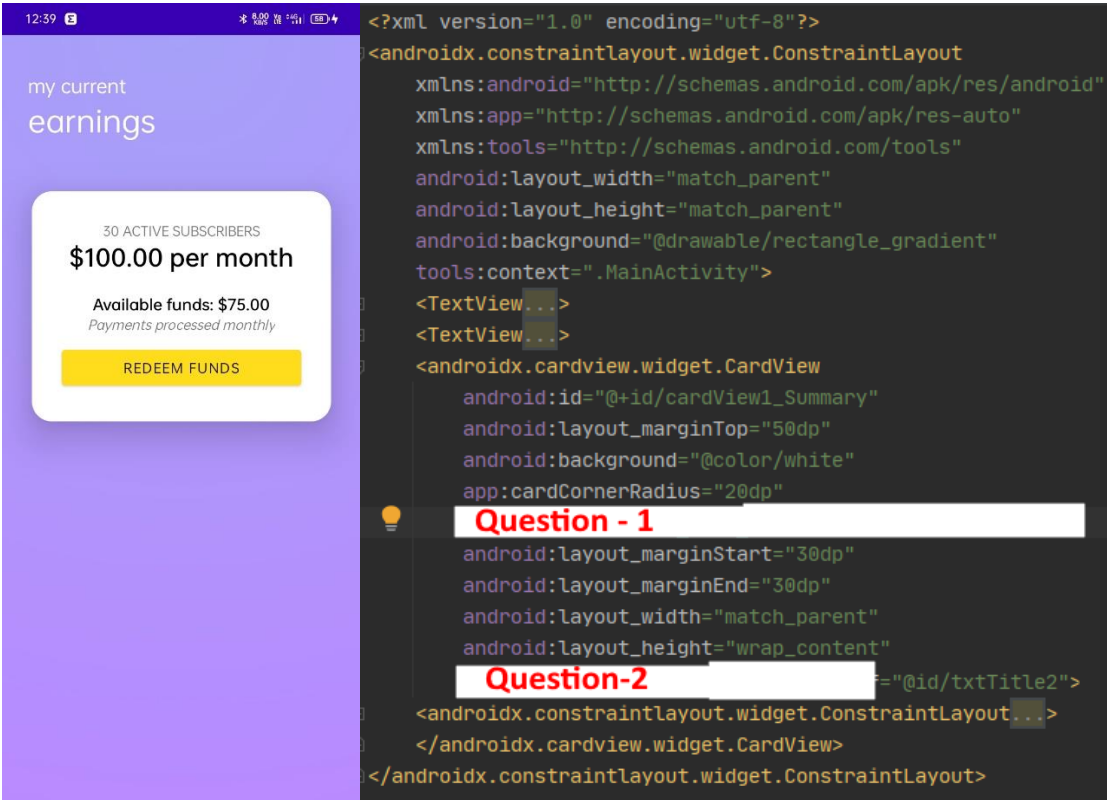
Q-2   Consider below image as output and answer following questions.   **[5]**
[A] Write attribute of card to make 30 unit shadow of card. (Question-1 in image)
[B] Write appropriate constraint according to output image. (Question-2 in image)
[C] If LinearLayout use instead of constraint layout for below image output then how many linear layout will be needed?
[D] Write Relative Layout code to create design of top most two TextView which contain text "my current" and "earnings"

Q. 3 [A]   Write onCreate() Method of two different Activities named as "LoginActivity", "MainActivity".   **[4]** Pass Username, Password Data from LoginActivity to MainActivity and fetch same Username, password data in MainActivity. Display fetched data inside MainActivity TextView. (**Note:** Only write down kotlin code)

Q.3 [B]   Explain in the brief process to generate apk file.   **[2]**

Q-4   Write code for implicit type of Intent calls with activity (only Kotlin) files which open url   **[4]** www.ganpatuniversity.ac.in and set Alarm. (Note: Use Two Button and its corresponding code)

Q-5   **[2]**

```kotlin
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.ArrayAdapter
import android.widget.ListView
import android.widget.Toast
import kotlinx.android.synthetic.main.activity_main.*
class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        //getting from string.xml-array
        var countryArray=resources.getStringArray(R.array.countries_array)
        //create a adapter
        Line 1: Create an adapter & store   in variable name "arrayadapter"
        //bind
        listview1.adapter=arrayAdapter
        listview1.setOnItemClickListener { parent, view, position, id ->
            Line 2: retrieve clicked country name from listview
            Line 3: Display clicked country name in Toast Message
        }
    }
}
```

Write the code of yellow lines as shown in the below image. This code is for displaying a list of country names in listview and when the user clicks on country name then it will be displayed in Toast message. (**Note:** Write Line number in front of your answer while writing answer of yellow line code)

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