GANPAT UNIVERSITY
U. V. PATEL COLLEGE OF ENGINEERING
B. TECH. SEMESTER – V (CE/IT)
SECOND INTERNAL EXAMINATION, OCT-2020
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 What is the difference between option menu and context menu in android? write the code for the Option menu where there are three items named Blue,Green and Red.when user click on particular color name then background of layout set to that particular color. write **menu.xml** and **MainActivity.kt file.** (Only write code of "Write your code Here" section in your answer for MainActivity.kt file, Write your answer with title Answer-1 or Answer-2)   **CO4**   **[5]**

```kotlin
import ...
                    MainActivity.kt File

class MainActivity : AppCompatActivity() {
    var relativeLayout: RelativeLayout? = null
    var textView: TextView? = null
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        relativeLayout = findViewById(R.id.rl1)
        textView = findViewById(R.id.tv1)
        relativeLayout!!.setOnCreateContextMenuListener(this)
    }

    override fun onCreateOptionsMenu(menu: Menu): Boolean {

        Write your code here  Answer-1

        return super.onCreateOptionsMenu(menu)
    }


    override fun onOptionsItemSelected(item: MenuItem): Boolean {
        Write your code here  Answer-2
        return super.onOptionsItemSelected(item)
    }
}
```

Q-2 Write a xml & kotlin code for Tween animation in which the object can grow & rotate for the first 1 second & after 1 second it will shrink & get the original position in 1 second So Total time of animation will be 2 seconds. Write animation xml file & MainActivity.kt file which is given in the image below. (Only write code of "Write your code Here" section in your answer for MainActivity.kt file)   **CO4**   **[5]**

```kotlin
import ...

class MainActivity : AppCompatActivity() {
    var iv: ImageView? = null
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        iv = findViewById(R.id.imageview1)

        Write your code Here

    }
}
```

Q. 3 Whether google map activity and google maps implicit intent are the same? Justify your answer. write the step to create a google map activity. write the code(only onMapReady() function) that   **CO6**   **[5]**

do the following :

1.change google map type to TERRAIN

2.set the Zoom level to 15.

3.change the icon with a drawable image file name image1.

4.set the location to Ahmedabad.

5. set the title to Ahmedabad and snippet to Welcome to Ahmedabad.

Q-4 What are the different types of resources available in android? Explain the res directory structure with respect to different resources. Also differentiate between style and theme with example.   **CO2**   **[5]**

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