

**CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY**  
**DEVANG PATEL INSTITUTE OF ENGINEERING & TECHNOLOGY**

**Fifth Semester of B. Tech (CE) Examination**

**Unit Test – I**

**CE373: Mobile Application Development**

**Date: 09.08.2019, Friday**

**Time: 09:10 a.m. To 10.10 a.m.**

**Maximum Marks: 30**

**Instructions:**

- (i) Attempt *all* the questions.
- (ii) Figures to the right indicate *full* marks.
- (iii) Make suitable assumptions and draw neat figures wherever if required.

**Q - 1     Answer to the following questions. [ 10 ]**

- (A) What Activity method you use to retrieve a reference to an Android view by using the id attribute of a resource XML? [ 1 ]  
 (I) findViewById(int id)     (II) findViewById(int id)  
 (III) retrieveResourceById(int id)     (IV) findViewById(String id)
- (B) Which configuration file holds the permission to use the internet? [ 1 ]  
 (I) Layout file (II) Property file (III) Java source file (IV) Manifest file
- (C) What does the following line of code achieve? [ 1 ]  
 Intent intent = new Intent(FirstActivity.this,SecondActivity.class);  
 (I) Creates a hidden Intent     (II) Creates an implicit Intent  
 (III) Create an explicit Intent     (IV) Starts an activity
- (D) What is requirement of “Library” layer in Android architecture? [ 1 ]
- (E) Explain the components of AndroidManifest.xml file in android project? [ 2 ]
- (F) What is the difference between View & ViewGroups? [ 2 ]
- (G) What is the use of string.xml and styles.xml file. [ 2 ]

**Q - 2     Answer to the following questions. [10]**

- (A) Create an application having TextView, EditText and Button. When use click on Button, content in EditText should be displayed in TextView. [ 3 ]
- (B) List the different approaches of Button click. [ 3 ]
- (C) What is Activity lifecycle? Explain with neat diagram. [ 4 ]

**OR**

- (C) List layers of Android OS Architecture and explain it with diagram. [ 4 ]

**Q - 3     Answer to the following questions. [10]**

- (A) Create an application that will display toast (Custom Message) on specific interval of time. (write java code only) [ 3 ]
- (B) What is Listview. Write a java class to add any 10 items within Listview. [ 3 ]

(C) Explain the following layouts

[ 4 ]

1. Linear Layout

2. Table Layout

**OR**

(C) Explain the following layouts

[ 4 ]

1. Relative Layout

2. Frame Layout

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