

**GANPAT UNIVERSITY****B. Tech. Semester: VI (Computer Engineering/ Information Technology)****CBCS REGULAR EXAMINATION – APRIL-JUNE 2017****2CE605/2IT605: Elective-II (Mobile Application Development)**

Time: 3 Hours]

[Total Marks: 60

- Instruction:** 1: Figures to right side indicated full marks.  
 2: Each section should be written in a separate answer book.  
 3: Assume suitable data if required.  
 4: Be precise and to the point in your answer.

**Section – I**

- Que. – 1 [A]** Write an application to demonstrate Google Maps in Android with 07 following Functionality:
- 1) Map Rotate Gesture Functionality
  - 2) Zooming Functionality
  - 3) Changing Map Type Functionality
  - 4) Placing a Marker Functionality with title & snippet on user entered location. Also move to that location with zoom-18, tilt-30.
- [B]** Give different types of dialog box. Explain lifecycle of dialog. 03

**OR**

- Que. – 1 [A]** Create sample application which store username & password using shared preference in main screen by clicking button & switch to second activity. On second activity display stored data (username, password) using shared preference. 07
- [B]** Write a program which read all SMS from Inbox and display it in List View. 03
- Que. – 2 [A]** Explain Context menu with example which give Month choices (January-December) in menu & display month in toast as per month 06
- [B]** Explain following: 04
- 1) Dimension and integer Array resources.
  - 2) Content provider.

**OR**

- Que. – 2 [A]** Write a program which create table tblstudent with fields (enroll, name, branch) in SQLite database. Main activity has 3 Edit Text, 3 Text View & 2 Button (save & display). Save Button click store data in Database & display Button click show all data in List View in next activity. 06
- [B]** Explain Scroll View with example. 04
- Que. – 3 [A]** Write a program which play video file from SD Card with Media Controller 05
- [B]** Write A XML code for Scaling and Translate of Image View. 05

**Section – II**

- Que. – 4** [A] Compare Activity in Android OS with View in IOS. 05
- [B] Write an Objective C Program to display ALERT BOX in IOS Application. 03
- [C] Draw hierarchy of the iPhone's objects. 02

**OR**

- Que. – 4** [A] Write down steps to Implement Table View in IOS Application. 05
- [B] What is the use of IBAction and IBOutlet in IOS application? Explain it with example. 03
- [C] How can we declare methods in Objective c? What is different between Class Method vs. Instance Method in Objective C? 02
- Que. – 5** [A] List out base component types of Android application. Explain any two in brief. 04
- [B] List different types of layout in android. Explain Relative-Layout with all its attributes. Write a program which creates Relative-Layout using XML & using Java code. 04
- [C] Define following : 02
- 1) setOnClickListener 2) setContentView

**OR**

- Que. – 5** [A] Write down difference between JVM and DVM. 04
- [B] Where color.xml locate in android project? What is the use of color.xml in android project? Explain it with example. 04
- [C] Define following : 02
- 1) XIB file in IOS 2) ARC in IOS
- Que. – 6** [A] What is the use of Intent in Android? Describe type of Intent in brief. 06
- Create application which demonstrates implicit type of Intent calls with manifest, activity (xml and java) files.
- [B] Explain android Platform Architecture in Detail. 04

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