

Evening
Date: 05/12/2014

Student Exam No. _____

GANPAT UNIVERSITY

B. TECH SEMESTER – V (CE/IT)

Regular Examination: Nov-Dec 2014

2IT506/2CE506-Mobile Application Development

Time: 3 Hours

Total Marks: 70

- Instructions:** 1. Attempt all questions.
2. Figures to the right indicate full marks.
3. Each section should be written in a separate answer book.

SECTION – I

- Que.1** [A] Define the terms: **Android Emulator, DVM and Android manifest File.** [6]
[B] Write a Program of **Calculator**. Write a layout in **xml** file and logic in **java** code. (Define the variables using **string.xml**) [5]
[C] True or False: The **ImageButton** control is a subclass of the **Button** control. [1]

OR

- Que.1** [A] Explain **Advance user Input** using Example. [6]
[B] Add a **Toast** to the **Submit Button** click handler. Make it display the message "Clicked!" when the **Button** is clicked. [5]
[C] Which services are provided as part of the **Android SDK**? [1]
A. Location-based services
B. Geocoding and reverse-geocoding services
C. Mapping services

- Que.2** [A] How to use **Integer, Boolean, String Arrays** Resources? [6]
Using **XML** and Using **Programmatically**.
[B] What is an **Android**? Explain **Android platform Architecture** with diagram. [6]

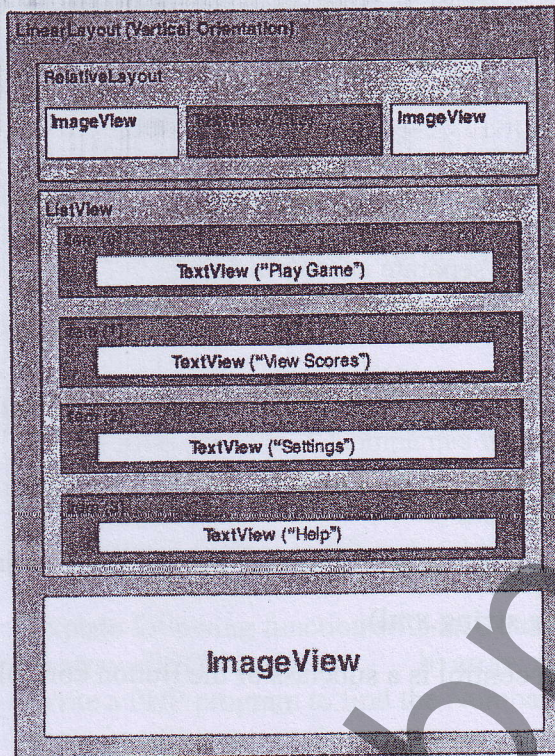
OR

- Que.2** [A] What is an **Activity**? Explain the **Android activity lifecycle** in detail with diagram. [6]
[B] How to build your first **Android Application** with complete set of **Android features**. [6]

Explain in detail with diagram.

Que. 3 [A] How to Send parameters to new Activity using putextra(). Write a layout in xml file and logic in java code. (Define the variables using string.xml) [4]

[B] In this figure layout design is given. Write a layout file in XML, with related property. [4]



- [C] What is a use of Use of `editor.commit()`. [1]
- [D] Why would I want to create AVDs for Android 4.2 (or any older firmware) when newer versions of the Android SDK are available? [1]
- [E] True or False: You can use Eclipse for handset debugging. Justify. [1]

SECTION – II

- Que.4 [A] Write a code for MP3 Player to play mp3 file using media controller. Write layout in `xml` file and logic in `java` code. (Define the variables using `string.xml`) [7]
- [B] Explain Date & time picker dialog with diagram. [3]
- [C] Do the different emulator skins have different features? Justify. [1]
- [D] True or False: You can include files of any format as a resource. Justify. [1]

OR

- Que.4 [A] Write a code for *Frame-by-Frame Animation*. Write layout in `xml` file and logic in `java` code. (Define the variables using `string.xml`) [7]
- [B] Explain Scroll-View & Frame-Layout with diagram. [3]
- [C] True or False: You must use the Android emulator for debugging. Justify. [1]
- [D] What data types are supported within application shared preferences? [1]
- A. Boolean, Float, Integer, Long, and String
- B. Boolean, Integer, and String
- C. All types that are available in Java

- Que.5 [A] Write a code to show Location by passing Latitude and Longitude using Google-map. Write layout in `xml` file and logic in `java` code. (Define the variables using `string.xml`) [7]
- [B] Explain different resource types with their tags. [3]
- [C] Which graphics formats are supported and encouraged on Android? [1]
- A. Joint Photographic Experts Group (JPG)
- B. Portable Network Graphics (PNG)
- C. Graphics Interchange Format (GIF)

OR

- Que.5 [A] Write a code that Rotate an image and after that double the size of that object. Write layout in `xml` file and logic in `java` code. (Define the variables using `string.xml`) [7]
- [B] Which of these is not a built-in layout in the Android SDK? [1]
- A. `FrameLayout`
- B. `CircleLayout`

C. HorizontalLayout

D. RelativeLayout

[C] What type of control can be used to enable scrolling? [1]

A. ScrollLayout

B. Scroller

C. ScrollView

[D] What types of button controls are available on the Android platform? [1]

A. Button

B. TextButton

C. ImageButton

[E] Can an activity have its own preferences? Justify. [1]

Que.6 [A] How to send a SMS on given mobile no & read message from inbox & display it [7]

in List-View. Write layout in **xml** file and logic in **java** code. (Define the variables using **string.xml**)

[B] List different types of dialog box. Explain lifecycle of dialog. [3]

[C] True or False: EditText controls are derived from TextView controls. Write the base class of the EditText class. [1]

[D] True or False: There is no way to stop an animation once it has started. Justify. [1]

END OF PAPER