

GANPAT UNIVERSITY**B. Tech. Semester - V CE/IT Engineering****Regular Examination November – December 2015****2CE506/2IT506- Mobile Application Development****Time: 3 Hours****Total Marks: 70**

- Instruction:**
1. Attempt all questions.
 2. Figure to the right hand indicates full marks.
 3. Each section should be written in a separate answer book.
 4. Make suitable assumption wherever necessary.

Section - I

- Que. – 1 A Explain Manifest file's Structure with example which contain two activities & internet permission. 6
- B Explain android libraries & Linux kernel with diagram. 6

OR

- Que. – 1 A Explain Android platform architecture with diagram. 6
- B Answer following questions 6
1. Explain android project directory structure.
 2. APK Production Steps.

- Que. – 2 A Describe Android Activity life cycle with functions. 6
- B Explain Paint class. Write program which draw oval with yellow color using ImageView. 5

OR

- Que. – 2 A Explain string array, integer array, Boolean types supported by Android SDK using XML & java code. 6
- B Describe FrameLayout with example. 5
- Que. – 3 A Write an Application to Play/Pause/Stop mp3 file from SD Card. 6
- B Differentiate following 6
1. DVM and JVM
 2. Android ad iOS

P.T.O

Section – II

- Que. – 4 A Write an application to demonstrate alert dialog box with two button, icon, title & message. 6
- B Explain Option menu with example which give Day choice in menu(Monday to Sunday) & change welcome string in TextView as per Day selection from option menu. 6
- OR
- Que. – 4 A Explain setOneShot() method. Write a program which apply frame by frame animation on five bitmap images using Java code. 6
- B Define Following Terms: 6
1. BroadcastReceiver
2. ContentProvider
3. Service
- Que. – 5 A Write down the program which provide twin animation on ImageView with image(name as mad.png) as below 7
1. ImageView being visible from invisible state in 2000 duration.
2. After 1st step, Scale 4.0 in X & 2.5 in Y direction in 2000 duration.
3. After 2nd, Rotate from its center from 0 to 720 degree in 3000 duration.
4. After 3rd, translate it from x=0%, y=0% to x=60%, y=60% of parent screen in 3000 duration.
- Write down necessary XML & java files for program.
- B 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. 4
- OR
- Que. – 5 A Write a program which create database (College) which has table named Student with fields (enrollno, name, age, email, phone) in SQLite database. Main activity has 5 EditText, 5 TextView & 2 Button (save & display). Save Button click store data in Database & display Button click show all data in ListView in same activity. 7
- B Explain Spinner with example. 4
- Que. – 6 A Write an application to demonstrate Google Maps in Android with following Functionality: 7
- Map Rotate Gesture Functionality
- Zooming Functionality
- Changing Map Type Functionality
- Placing a Marker Functionality with title & snippet on user entered location. Also move to that location with zoom-15, tilt-35.
- B Explain JSON & xml with Example. 5

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