GANPAT UNIVERSITY

B. Tech. Semester - V CE/IT Engineering

Regular/Remedial Examination November – December 2013

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 Android in brief. Explain in detail Android platform Architecture with diagram.	6
	B	Explain Difference between JVM & DVM (minimum 5 Difference needed).	6

OR

Que. – 1	A	Explain steps for Creating & Configuring New Android Project & AVD (Android Virtual Device).	6
	B	The resources are stored in which directory? Explain any five resource types supported by Android SDK using XML & java code.	6

Que. – 2	A	What is an Activity? Explain in detail Android activity lifecycle with diagram & all methods.	6
	B	Differentiate: Service & Activity with diagram.	5

OR

Que. – 2	A	Describe progress bar with example.	6
	B	Explain in detail production steps of APK with diagram.	5

Que. – 3	A	Write down the program which provide twin animation on ImageView with image(name as smile.png) as below	8

1. ImageView being visible from invisible state in 3000 duration.
2. After 1st, Rotate from screen center from 0 to 750 degree in 5000 duration.
3. After 2nd, Scale 3.5 in X & 2.0 in Y direction in 2000 duration.
4. After 3rd, point translate it from x=80%, y=20% to x=20%, y=80% of screen in 3000 duration.

Write down necessary XML & java files for program.

	B	Explain the following color formats. a. #RGB b. #ARGB c. #RRGGBB d. #AARRGGBB	4

P.T.O

| Que. – 4 | A | Write a program to show frame by frame animation using **java** code. Load 3 Bitmap resources and create AnimationDrawable. What is the purpose of setOneShot() method. | 8 |
| | B | What is menu? Which two types of menu available in Android? Explain brief. | 4 |

OR

| Que. – 4 | A | What is the role of layouts in the Android? List different types of layouts. Illustrate LinearLayout with a simple program. | 8 |
| | B | What is content provider? Give the name of various providers with their Purpose. | 4 |

| Que. – 5 | A | Write a program to draw square, rectangle, circle & oval with all necessary files. | 7 |
| | B | Explain View, Canvas & Paint class. | 4 |

OR

| Que. – 5 | A | Explain Alert Dialog with example. | 7 |
| | B | How to obtain google map API key? | 4 |

| Que. – 6 | A | Write a simple mp3 player program to illustrate the Service with xml, java & manifest files. | 7 |
| | B | Write a program to read SMS from Inbox with all necessary files. | 5 |

END OF PAPER