

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA SEM-V Examination- Dec.-2011

Subject code: 650003

Date: 16/12/2011

Subject Name: Mobile Computing (MC)

Time: 10.30 am-01.00 pm

Total marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q.1	(a)	Match The followings:	07
	(I)	AndroidManifest.xml	(a) Required folder where all source code for the application resides.
	(II)	default.properties	(b) Required folder where auto-generated resource files for the application reside.
	(III)	src Folder	(c) Automatically created project file. It defines your application's build target and other build system options, as required.
	(IV)	src/com.androidbook.myfirst - androidapp/MyFirstAndroid App-Activity.java	(d) Core source file that defines the entry point of your Android app.
	(V)	Gen Folder	(e) Required folder where all application resources are managed. Application resources include animations, drawable image assets, layout files, XML files, data resources such as strings, and raw files.
	(VI)	gen/com.androidbook.myfirst -androidapp/R.java	(f) Global application description file. It defines your application's capabilities and permissions and how it runs.

	(VII) res/drawable-*/icon.png	(g)	Application resource management source file generated for you; it should not be edited.	
		(h)	Folder where all application assets are stored. Application assets are pieces of application data (files, directories) that you do not want managed as application resources	
		(i)	Application string resources.	
		(j)	Resource folders that store different resolutions of the application icon.	
		(k)	Single screen layout file.	
	(b) State whether the following statements are true or false.	07		
	(I) Low-level memory management is one of the core functions of the Linux kernel.			
	(II) Android 1.5 SDK its codenames is Cupcake			
	(III) setOrientation()method is used to set orientation of Screen Layout			
	(IV) If you want to use indeterminate indicator in Activity's title bar, for FEATURE_INDETERMINATE_PROGRESS feature you need to request.			
	(V) layout attributes available for TableLayout child View objects in android.control.TableLayout.LayoutParams.			
	(VI) A common Tokenizer implementation is provided for comma-separated lists and is used by specifying the MultiAutoCompleteTextView.CommaTokenizer object.			
	(VII) There are six number of different dialog types available within the Android SDK.			
Q.2	(a) For what purpose Chronometer is used? Explain the Chronometer object's format attribute and explain the different methods associated with Chronometer.	07		
	(b) Explain Android platform architecture.	07		
	OR			
	(b) What is the use of <activity> tag and <intent-filter> tag.	07		
Q.3	(a) Explain the Different tweening Transformation.	07		
	(b) How can you Data-Binding to the Gallery Control?	07		
	OR			
Q.3	(a) Explain the lifecycle of Android Activity.	07		

	(b)	Explain the use of following helpful methods of android.util.Log class	07
		a. Log.e()	
		b. Log.w()	
		c. Log.i()	
		d. Log.d()	
		e. Log.v()	
Q.4	(a)	I Explain the following color formats.	04
		a. #RGB	
		b. #ARGB	
		c. #RRGGBB	
		d. #AARRGGBB	
		II Which method and attribute is used to set image of ImageView?	03
	(b)	Write a code to create animation given as below:	07
		a. Duration for animation is 5000.	
		b. Take one rectangle (set it in to ImageView as src)	
		c. Now translate it in X direction with rotation.	
		d. Up to half time, shrink the rectangle than grow it for remaining time.	
		e. During this whole animation, set its transparency 4 times. (Means make the rectangle 2 times light and 2 times dark)	
		OR	
Q.4	(a)	I Explain the use of ContentValues to insert the record and Which four arguments are taken by update()?	03
		II What is menu? Which two types of menu available in Android?	04
	(b)	Explain different types of Dialogs.	07
Q.5	(a)	I Explain the use of WebView control to load content from a specific website.	03
		II Explain the following methods.	04
		(a)PhoneNumberUtils.formatNumber()	
		(b)SmsManager.getDefault()	
	(b)	Which steps are required for publishing an Android application?	07
		OR	
Q.5	(a)	What do you mean by Android's Content Providers? List Out the Useful Built-In Content Providers and explain any two of them.	07
	(b)	List the data driven containers. For what purpose ListView control is used? Which is the base class and list the methods available	07
