Seat No.:	Enrolment No
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GUJARAT TECHNOLOGICAL UNIVERSITY

		ME - SEMESTER-IV • EXAMINATION – SUMMER 2015	
Su	bject	Code: 745401 Date: 01/05/2015	
Tin		Name: APPLICATION DEVELOPMENT FOR MOBILE DEVIC 30 pm to 5:00 pm Total Marks: 70 is:	CE
	1.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	Explain inheritance and polymorphism. Explain overall architecture of Android.	07 07
Q.2	(a) (b)	Justify the statement õThe Android operating system provides a secure environment for applications via single-user Linux system.ö Enlist the components of an android application and explain each.	07 07
	(b)	OR Write and explain steps to build android for an embedded board.	07
Q.3	(a) (b)	Explain activity lifecycle of an Android application. Explain structure of Manifest file.	07 07
Q.3	(a) (b)	OR What is wakelock? How to use wakelock in android application? Explain virtual device and SDK manager.	07 07
Q.4	(a) (b)	How to create menus in android? Explain with suitable example. Explain the difference between implicit and explicit intent. OR	07 07
Q.4	(a) (b)	Create a Simple Grid View android application. Explain Layouts and Android Widget Toolbox.	07 07
Q.5	(a)	What is SQLite database? How to provide the database connection using SQLite database.	07
	(b)	What is NFC? How to send and receive NFC data using android application? OR	07
Q.5	(a) (b)	Explain android toast. Explain how Android achieves inter process communication.	07 07
