Seat N	lo.:	Enrolment No GUJARAT TECHNOLOGICAL UNIVERSITY	
M.E. SEMESTER III–EXAMINATION – WINTER 2015 Subject code: 2730206 Date: 04 Subject Name: UBIQUOUS COMPUTING Time: 2:30 PM to 5:00 PM Total M Instructions: 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.			
Q.1		Describe all components of GSM System Architecture with its subsystem functionalities. What is Spread Spectrum technology? Compare working of DSSS and FHSS in detail.	07 07
Q.2	(a)(b)	Give advantages of Bluetooth technology. Explain Bluetooth protocol stack architecture. Discuss DECT protocol architecture along with its frame structure OR	07 07
	(b)	Explain wireless transport layer security.	07
Q.3	(a) (b)	Write short note on: MAC management of IEEE 802.11 Explain WAP 2.0 architecture in detail. OR	07 07
Q.3	(a) (b)	What is the difference between Detection range & Interference range? Explain types of Handover in GSM Networks. Explain routing in mobile ad-hoc	07 07
Q.4	(a) (b)	Explain Android platform architecture with diagram. How is Handler class used for Background thread processing?	07 07
Q.4	(a) (b)	OR Explain the steps involved in frame by frame animation Explain the important callbacks of the Activity class in Android Application.	07 07
Q.5	(a) (b)	What is SQLite Databse? Explain methods for creating, updating, and deleting and querying database records What is WebView? How can we load content into WebView? How can we handle WebView events? OR	07 07

(a) Explain with example how permission can be granted for shared resources or privileged access?

(b) Explain different types of Animation in Android.

Q.5

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