Seat No.: GUJARAT TECHNOLOGICAL UNIVERSITY M.E. SEMESTER III-EXAMINATION (Remedial)- WINTER 2015 Subject code: 730203 Date: 07/ Subject Name: Real Time Systems Time: 2:30 PM to 5:00 PM Total Max Instructions: 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.			
Q.1	(a) (b)	Define Real Time System and Explain some of the real time systems. Explain in brief Hard and Soft real time systems.	07 07
Q.2	(a) (b)	Explain various benchmarks for Real Time System. Explain Distributed Clock Synchronization in Distributed Real Time System. OR	07 07
	(b)	Explain the capabilities of commercial Real Time Operating System.	07
Q.3	(a) (b)	Explain RTCP. Explain the scheduling of subtasks on each processor in Multiprocessor system. OR	07 07
Q.3	(a) (b)	Discuss various issues in Resource Reservation with respect to Real Time Communication. Explain in brief off-line and on-line scheduling.	07 07
Q.4	(a) (b)	Explain the properties of Real Time System. Explain Feedback control scheduling in Uni-processor Real Time System. OR	07 07
Q.4	(a) (b)	Explain Misconception about Real Time System. Explain fault tolerance in Multi-processor Real Time System.	07 07
Q.5	(a) (b)	Discuss various location policies in Distributed Real Time System. Explain RTLinux in brief	07 07
Q.5	(a) (b)	OR Explain concurrency control in real time databases. Explain Real Time CORBA.	07 07
