Seat No.:	Enrolment No.
Deat 1 (0).	Emonitro:

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII • EXAMINATION – WINTER 2013

Subject Code: 171007 Date Subject Name: Satellite Communication			e: 03-12-2013	
•	: 10	:30 TO 01:00 Total Man	rks: 70	
111501 W	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a) (b)	Explain different Satellite services. Explain the Keplerian element set.	07 07	
Q.2	(a) (b)	·	07 07	
	(b)	021	07	
Q.3	(a)	forms of attitude Control.	07	
	(b)	Draw and explain the TT&C. OR	07	
Q.3	(a)		07	
	(b)	•	07	
Q.4	(a) (b)	How the error control done in Digital DBS-TV? Explain it. Explain Orbit Consideration with respect to Non-Geostationary Satellite Orbit (NGSO). OR	07 07	
Q.4	(a) (b)	Write short notes on Access Control Protocols used in VSAT network.	07 07	
Q.5	(a)	Explain how to compute uplink and downlink C/N ratios for a typical satellite link.	07	
	(b)	Write short notes on GPS Receivers with using simplified block diagram.	07	
Q.5	(a)	OR What is GPS? Explain principle of GPS position location. Also		
V.	(a)	explain signal generation in GPS.	07	
	(b)		07	
