Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER- IV (NEW) EXAMINATION - SUMMER 2015

Subject Code: 2142202			Date:01/06/2015	
Tir	ne: 1 cructio 1. 2.	Attempt all questions.	70	
Q.1	(a) (b)	What is surveying? Give basic principle of surveying and name all the instruments used for it. Explain verneir theodolite with its constructional features.	07 07	
Q.2	(a) (b)	Give the names of errors in traversing and explain Bowditch's rule. Write short note on temporary adjustments of theodolite. OR	07 07	
	(b)	Explain tubular compass with neat sketch.	07	
Q.3	(a) (b)	Explain with neat sketch Miner's dial. What is leveling? Explain fly leveling. OR	07 07	
Q.3	(a) (b)	What are the purpose of traverse and explain theodolite traversing. Write a short note on Gyro-theodolite.	07 07	
Q.4	(a) (b)	Write the importance of Triangulation survey. What is Tacheometric Surveying? Write various instruments used in it. OR	07 07	
Q.4	(a) (b)	Write the characteristic of contours. Write a short note on Interpolation of contours.	07 07	
Q.5	(a) (b)	Write a brief note on latest equipments used for surveying. Explain the procedure for determining the constants by tacheometric surveying. OR	07 07	
Q.5	(a) (b)	Draw a contour diagram for valley and explain it. Explain in brief subsidence survey and its importance in mining.	07 07	
