Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER IV (NEW) – EXAMINATION – SUMMER - 2017

Subject Code: 2741304 Subject Name: Public Transportation Planning			Date:03/05/2017	
Tir		2:30PM-05:00 PM Total Marks:	70	
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a) (b)	Enlist various modes of public transport. Explain any three in detail. Compare various modes of public transport systems.	07 07	
Q.2	(a) (b)	Elaborate on the public transport travel characteristics. Discuss the technological advanced features of Bus Rapid Transit System. OR	07 07	
	(b)	Discuss the technological advanced features of Rapid Rail Transit System.	07	
Q.3	(a)	Enlist the objectives of a PT system. Also, discuss the principles for a public transit system.	07	
	(b)	With examples, discuss the Intercity and Regional transit systems. OR	07	
Q.3	(a) (b)	Elaborate on transit line types and characteristics. How the prediction of transit usage is obtained? Deliberate the approach.	07 07	
Q.4	(a) (b)	Explain the BRTS transit scheduling components. How the PT service requirements are determined? Explain with an example case.	07 07	
Q.4	(a)	OR Discuss the crew scheduling concept with an example.	07	
Q. 4	(a) (b)	What is marginal ridership? How it affects the performance of a PT system?	07	
Q.5	(a) (b)	Enlist and discuss various components of a bus stop designed for a PT system. Narrate principles of terminal design. OR	07 07	
Q.5	(a) (b)	What should be an ideal HR organizational structure of a transit agency? How the performance is evaluated for a public transit system?	07 07	
