## **GUJARAT TECHNOLOGICAL UNIVERSITY** BPLAN – SEMESTER III– • EXAMINATION – WINTER 2016

Subject Name: Traffic and Transport Planning – I			Date: 25/11/2016 Total Marks: 50	
Inst	2.	ns: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a) (b)	Discuss Nature of the Difficulties in Urban Traffic Conditions. List and Explain in Brief Various Forms of Traffic System.		05 05
Q.2	(a) (b)	State PCU Equivalent as per Indian Practice. Enlist and Explain Factors affecting Capacity and level of Service of Road. OR		05 05
	<b>(b</b> )	Explain Levels of Service and Related operating Characteristics of Two Lane Rural Road		05
Q.3	(a) (b)	Enlist Methods for Traffic Count and Explain One in Brief. Write Specific Use of Data Collected in OD Survey and Enlist OD Methods. <b>OR</b>		05 05
Q.3	(a) (b)	Define Parking Accumulation, Parking Volume, Parking Load, Parking Turn Over, Parking Index Explain Registration Number Plate Method.		05 05
Q.4	(a) (b)	Discuss Parking Problems in Urban India. Enlist At grade Intersection and Draw neat Sketch of any One. OR		05 05
Q.4	(a) (b)	Draw Neat Sketches of methods of On street Parking. Draw Detailed Cross Section of Two Lane Road.		05 05
Q.5	(a)	Derive Relation Between Speed of Vehicle, Radius of Friction.	curve and Coefficent of	06
	<b>(b)</b>	List Road Markings OR		04
Q.5	(a) (b)	Explain Signal Face. Give yours expert suggestions to overcome traffic intersection.	c congestions at grade	04 06

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