Re	gistr	ration no:										
Tot	al N	umber of Pages: 2 210 210 210 210	B.Tech PECI5410	21								
8 th Semester Regular / Back Examination 2015-16 TRAFFIC ENGINEERING AND TRANSPORTATION PLANNING BRANCH: CIVIL Time: 3 Hours												
210		²¹⁰ Max Mark's: 70 ²¹⁰ Q.CODE: W182		21								
A	nsv	wer Question No.1 which is compulsory and any five from t The figures in the right hand margin indicate marks.	he rest.									
Q1 210	a) b) c) d) e) f)	What are the vehicular characteristics concerning to traffic engineer? Differentiate time-mean speed and space-mean speed. What is the need for vehicle volume counts in traffic engineering? What are the specific uses of O-D survey? What are the ill-effects of parking? Explain the basic need for regulation of traffic?										
Q2	a) b)	What are the types of off-street parking? Explain the different types along with diagrams of layout. What types of traffic regulatory measures one should take for on-street parking? What are the ideal locations to prohibit parking?	(5) a	210								
Q3	a) b)	Describe the factors affecting highway capacity and Level of Service. Enumerate some of the well-known traffic management measures. What are the advantages of one-way streets?	(5) (5)									
Q4 210		What is the need for economic evaluation of transport plans? Explain the details of costs and benefits of transport projects. What are the important methods adopted for economic evaluation of highway projects?	(3+3+4)	210								
Q5	a)	What do you mean by <i>modal split</i> ? Describe the factors that affect the choice among alternative modes?	(2+3)									

b) Enumerate the various factors governing trip generation and attraction

rates.

(5)

Q6	a) b)	calculating trip distribution.									
Q7	a) b)	What is the important Explain in detail areas. How do you calc	studies? s in rural	(2+3)							
Q8°	a) b) c) d)	Write short notes Bus-bays Speed zoning Multiple linear re Gravity model	210	(5 x 2)	210						
210		210	210		210	210	210		210		
210		210	210		210	210	210		210		
210		210	210		210	210	210		210		
210		210	210		210	210	210		210		

Page Z