Sea	t No.:	·				E	Enrolment No			
							UNIVERSITY - WINTER • 2013			
Su	bject	t code: 711	304N			Date: 30-12-2013				
Su	bject	t Name: Ba	asics of	Transj	ortatio	n Enginee	ring			
Γiı	me: 1	10.30 am –	01.00 p	m			Total Marks: 70			
In	struc	ctions:								
	2.	Attempt al Make suita Figures to	ıble assun	nptions v						
.1	(a) (b)						ef descriptions ansportation in present			
		Scenario?								
.2		Explain by drawing flow diagram transportation planning process								
	(b)	Define :- (i) zones (ii) land use (iii) trip (iv) internal trip (v) terminal time (vi) base year (vii) horizon year.								
		(7	(1) base y	ear (VII)) horizon	•				
	(b)	OR What are the objectives of traffic volume count? describe manual method for								
	(6)	The same.								
.3		The present flows of trips between four zones of a study area are shown in								
		In following table. The future trip generation and attraction values are also								
						etroit and Fu				
		D	P	Q	R	S	Future out going			
		O P		100	20	90	240			
		Q	20	100	30	80	98			
		R	20	70		80	282			
		S	10	10	20		52			
		Future in								
		coming	70	288	90	324	772			
						OR				
.3	(a)) Describe the road user characteristics								
	(b)		•	of spee	d studies	? describe the	e procedure of speed and			
		Delay studi			001					
4	(a)	Draw any t			_		ribe the factors to be			
	(b)	vy nar is ine	SIGNITICA	исе от а	ii iransno	ntanon / desc	tide the factors to be			

	(b)	What is the necessity of speed studies? describe the procedure of speed and				
	(~)	Delay studies.				
Q.4	(a)	*				
	(b)	What is the significance of air transportation? describe the factors to be				
		Considered for location of airport in city				
		OR				
Q.4	(a)	What is role of railway transportation at national level? describe different	07			
		Railway gauges.				
	(b)	Explain ESWL(Equivalent single wheel load)	07			
Q.5	(a)) Describe the procedure of origin and destination studies. Draw desire line				
		Diagram.				
	(b)	What is requirement for parking studies? Draw layout of angular parking.	07			
		OR				
Q.5	(a)	What are the different types of pavements? draw sketch of flexible pavements.	07			
-	(b)	How pavement maintenance is carried out? describe overlay design.	07			
