GANPAT UNIVERSITY

B. TECH. (CIVIL) SEM - VII

C-705, TRANSPORTATION ENGINEERING I

(ELECTIVE)

		Nov – Dec 2012		
Time :- 3 Hours Total Marks				
Inst	ruction	ns:- (i) Attempt all Questions		
		(ii) Figures to the right indicate full marks		
		SECTION 1		
Q1	(a)	Explain the Road User characteristics	12	
	(b)	Enlist the various methods of O-D survey. Explain any one in detail.		
		OR		
Q1	(a) ·	Explain the speed volume – density relationship with neat sketch.	12	
	(b)	Explain the method of spot speed survey by Radar Speedometer.		
Q2	(a)	What are the purposes of Volume count survey?	11	
	(b)	What are the preventive measures or accident? Explain in detail.		
		OR		
Q2	(a)	Explain briefly on "Level of Service"	11	
	(b)	Classify the various types of Road Signs. Explain Regulatory and Informatory signs" with sketch.		
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Q3	(a)	What are the types of "On street parking"? Explain with sketch.		
	(b)	Write a short note on "At Grade Intersection".	12	

		SECTIONII	1
Q4	(a)	Explain various types of Traffic Signal.	. 12
	(b)	What is PCU? What are the factors affecting PCU?	
		CALCON LICENSIA DE LA CONTROL OR PIEMA DE LA CONTROL DE LA	
Q4	(a)	Write a short note on "MX Road software"	12
	(b)	What are the advantages and dis-advantyages of Rotary Intersection?	
Q5	(a)	Write a short note on "Road Lighting"	11
	(b)	What are the types of Rotary Intersection? Explain in detail OR	
Q5	(a)	Write a short note on "Cloverleaf"	0 11
	(b)	Explain the physical characteristics of vehicle.	
Q6	(a)	What are the causes of accidents?	12
	(b)	Explain PIEV theory	

END OF PAPER