GANPAT UNIVERSITY

B. Tech. Semester: VII (CIVIL) Engineering

Regular Examination November - December 2013

2CI711 - Transportation Engineering I

Time: 3 Hou	ırs	Total Marks: 70	
Instruction:	1 ,	Attempt all questions Figures to the right indicate full marks	
		Section – I	
Que. – 1	(a) (b)	Define:- Cordon lines, Study area, Trip generation, Base year, Desire line, Land use Explain the road user characteristics in detail.	12
		OR	
Que. – 1	(a) (b)	Explain the relationship between basic flow parameters with neat sketch. Define :- Density, Space headway, Time headway, Time mean speed, Spot speed, Space mean	12
Que. – 2	(a) (b)	Enlist the methods of Volume count survey. Explain any one method in details. Explain the remedial measures for preventing accidents.	11
		OR	
Que. – 2	(a) (b)	What are the types of rotary intersection? Explain the advantages of Rotary intersection. What are the types of parking? Explain with sketch.	11
Que. – 3	Atte (a) (b) (c) (d)	empt any three Write a short note on "Road safety Audit" Explain License plate method of O-D survey. Write a short note on "VISSIM" Differentiate between Homogeneous and Heterogeneous traffic flow	12
		Section – II	
Que 4	(a) (b)		12
		OR	
Que. – 4	(a) (b)	A Stroffic gional? Explain types of signal.	12
Que. – 5	(a) (b)	nier () between () or pass and I inder pass.	11
		OR	
Que. – 5	(a) (b)	Explain about the condition diagram and collision diagram with sketch. Explain at grade intersection and grade separated intersection with sketch.	11
Que 6		tempt any three Explain about the roadway capacity for urban area. Write a short note on "Tidal flow operation". Explain advantages and dis advantages of one way street.	12

END OF PAPER