Enrollment No: _____

PARUL UNIVERSITY FACULTY OF ENGINEERING & TECHNOLOGY M.Tech. Winter 2017 - 18 Examination

Subject Code: 03211151											Date: 08/01/2018 Time: 02:00 pm to 4:30 pm Total Marks: 60		
Instru	uctions:												
1. All	questions are	e compul	sory.										
	ures to the rig												
	ke suitable as			ever nec	essary.								
4. Sta	rt new questi	on on ne	w page.										
Q.2 A H Q.3	 A) Draw grap B) Explain LO C Discuss me Answer the fe A) Explain tir B) Discuss co C) Draw sketo D) Write proc A) Design cy 	DS and C thods of ollowing ne space ongestion ches for o edure of vcle track	Capacity traffic c g questic diagram n managon street Monte as for url	with ref alming. ons. (Att n. ement. parking Carlo me carlo me	erence t empt ar method s as per	to urbar ny three ds. · IRC gu	1 roads.) (Each 11delines	five man	k)			(05) (05) (05) (15)	
									per hou	r is shov	wn in the table	(08)	
	below. The c	elow. The carriageway width is 12 m. Assume suitable data.											
								Ri	ight Turning				
	Approach												
		2-W	LCV	HCV	2-W	LCV	HCV	2-W	LCV	HCV			
	N	240	100	90	130	60	110	160	120	70			
	S	310	140	110	160	80	70	220	90	90			
	5	510	110	110	100	00	10	220	20	20			
	Е	180	120	100	150	90	60	210	60	80			
	E	160	120	100	150	90	00	210	00	80			
		2.50	100		100	-0				110			
	W	250	130	80	190	70	90	230	80	110			
						OR							
	3) As per IRC A) Explain Li						es for ur	ban road	ls.			(08) (07)	
	 A) Draw net s B) Determine below. If i Assume su 	the signantergree	al timing n period	g for 2-p	hase sig	ated inte gnal des	ign. Tra	ffic Vol			n in the table each phase.	(07) (08)	

	Ν	S	W	E
Normal traffic pcu/hr	660	560	440	410
Saturation traffic pcu/hr	1650	1500	1300	1300