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		BE - SEM	IESTER-VI(NEW) – EXA	MINATION – SUI	MMER 2019						
Su	bject	Code:216	0608		Date:27/05/201	9					
Su	bject	Name:Url	ban Transportation sys	tem							
Time:10:30 AM TO 01:00 PM Total Marks											
Inst	ructio	ns:									
	1.	Attempt all	questions.								
	2. 3	Make suita	ble assumptions wherever new	cessary.							
	5.	rigures to t	ne right mulcate fun marks.								
0.1	(a)	Define 'urba	an areas' and 'Rural areas'			03					
	(b)	What is trip	p generation and	04							
	. ,	attraction rates.									
	(c)	What is Urb	Discuss merits and	07							
		demerits of urbanization.									
Q.2	(a)	Discuss the concept of travel demand.									
C	(b)) Explain average growth factor method of trip distribution.									
	(c)	Write short n		07							
		i) Metro Rail Transit System									
		11) Para transit transportation system									
	(c)	UK Give classification of urban mass transit system and explain about RRTS									
	(0)			tern and enprain acou		07					
Q.3	(a)	Define the following:									
C		i) Land use ii) Study area iii) CBD									
	(b)	What are the survey data checks? Explain accuracy check in detail									
	(c)	What do you mean by zoning? Describe points to be considered while zoning.									
			OR	GOT							
Q.3	(a)	Define the following:									
	(b)	1) Screen Line 11) Cordon line (11) Zones Write short note on: Network identification and coding									
	(\mathbf{D})	Fxplain the procedure to conduct home interview and also write what data should be									
	(C)	collected during survey.									
Q.4	(a)	Discuss abo	ut opportunity models.			03					
	(b)	Write a short note on All or nothing assignment method.									
	(c)	The total trips production in and attracted to the three zones 1,2 and 3 of									
		survey area in the design year are tabulated as:									
		Zones	Trips produced	Trips attrac	ted						
		1	2000	3000							
		2	3000	4000							
		3	4000	2000							
		It is known that the trips between two zones are inversely proportional to the									
		second power of the travel time between zones, which is uniformly 30 minutes. If the trips interchange between zones 2 and 3 is known to be 600,									
		a to 2									
		5 10 2.	O R								
			UN ON								

Q.4(a) What is model split? Define (i) Captive transit riders (ii) Choice transit riders.03(b) Compare between trip end models and trip interchange models04



O/D	1	2	3	T _i
1	50	100	200	400
2	100	50	300	850
3	200	300	100	1100
Tj	400	850	1100	

(a)) Enlist the steps for comprehensive planning process.		
(b)	Discuss about Transportation System Management (TSM) strategies.	04	
(c)	Describe briefly: Corridor identification and corridor screen line analysis.	07	
	OR		
(a)	Give the classification of the urban roads.	03	
(b)	Discuss on transit system's performance parameters in brief.		
(c)	What are the urban forms? Describe the characteristics of each related to the transportation planning.	07	
	 (a) (b) (c) (a) (b) (c) 	 (a) Enlist the steps for comprehensive planning process. (b) Discuss about Transportation System Management (TSM) strategies. (c) Describe briefly: Corridor identification and corridor screen line analysis. OR (a) Give the classification of the urban roads. (b) Discuss on transit system's performance parameters in brief. (c) What are the urban forms? Describe the characteristics of each related to the transportation planning. 	

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