

Contd...2

Page No... 2

P15CV744

c. The accident data pertaining to a metropolitan city for the year 1965 and 1970 are given below:

		1965	1970		(
	Accidents	300	400		6
	Vehicle-Kilometer of travel	250 million	300 million		
	Test whether there is any significant increse in the accident rates in two years.				
6 a.	Describe the fundamental relationship between speed, flow and density.				10
b.	What is level of service? Describe the concept of LOS as per Highway Capacity Manual.				10
UNIT - IV					
7 a.	Discuss the various traffic regulation measures concerning the vehicles.				8
b.	What are the objectives of traffic sign? List and explain different types of traffic signs.				6
c.	List the longitudinal marking provided on the road surface. Explain any two.				6
8 a.	What is ITS? Discuss the importance of ITS in present scenario.				10
b.	What are the objectives of providing road signs and marking? Explain.				10
UNIT - V					
9 a.	Compare fixed time signal with vehicle actuated signal.				10
b.	Write a note on:				
	i) Signal coordination				10
	ii) Street lighting				
10 a.	Explain advantages and disadvantages of traffic signals.				10
b.	What is Rotary? Explain the important design elements of a rotary with the help of				10
	neat sketches.				10

* * *