Name:							
Enrolm	nent No:	UNIVERSITY WITH A PURPOSE					
	UNIVEDSITY OF DE	PDOI FUM AND ENEDCY STUDIES					
		UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, July 2020 (ONLINE MODE - Chance-II)					
	e: Traffic Engineering	Semester: VIII					
-	m: B Tech Civil Engineering	Time 03 hrs.					
Course	e Code: CEEG 467	Max. Marks: 100)				
msuu		A (6 X 5 Marks = 30 Marks)					
S. No.			Marks				
Q 1	Fill in the blanks:						
	a. is defined as	vehicles that can be passed in a given					
	time point in a unit time.		_				
	b. HCM suggested levels	, the value of which ranges from	5				
	c. Ground clearance is a type of	vehicular characteristics.					
Q 2	Fill in the blanks:						
	a. Right hand curve is a type of	signages.					
	b. Traffic Signage should be made of during nighttime.	material to get visibility	5				
	c. Solid lines in road marking depicts	·					
	d. Commonly used colors in road markin	ng is and					
Q 3	Fill in the blanks:						
	a. Two phases of traffic regulations are _	and					
	b. Most advanced type of signal is called		5				
	c. Lost time can be explained as sum of t	two elements called&					
Q 4	Fill in the blanks:						
	a. At-grade intersection are of two types	&	5				

b. Weaving movement of traffic happens when ______.

СО

CO1

CO2

CO3

CO4

5

	c. Two types of traffic movements taken place at at-grade junction are		
	& movement.		
Q 5	Fill the blanks: a. Peak hour factor is defined as ratio of () and ().		
	b. Spot speed is also known as speed.	5	CO1
	c. Floating car method is process for survey.	3	C01
	d. Desire line diagram depicts		
Q 6	Fill the blanks: a. Traffic signages shall be designed according to of the road.		
	 b. Stop Line is a type of marking and Kerb Marking is a type of marking. 	5	CO2
	c. The standardization of signages is because		
	SECTION B (5 X 10 Marks = 50 Marks)		
Q 7	Outline various aspects to be investigated during Origin-Destination studies in an urban area. Mention the various formats in which OD survey data be presented.	10	CO1
Q 8	Explain key benefits of Intelligent Transport System in traffic management of a city. List down various examples of ITS in Indian context.	10	CO2
Q 9	Mention basic objectives and benefits of Traffic signals coordination. Highlight some of the limitation of the signal coordination systems.	10	CO3
Q 10	Explain the various categories of grade-separated intersections. Compare the advantages and disadvantages of any two type of grade-separated intersections.	10	CO4
Q 11	Explain why we need legal provisions in vehicular traffic regulation and control. List down key provisions of motor Vehicle (amendment) act 2019.		
	(OR)	10	CO3
	Explain the importance of Traffic signal in traffic regulation in an urban area. Mention and briefly describe principles of signal design.		
	SECTION-C (1 X 20 Marks = 20 Marks)		
Q 12	Examine the problem associated with vehicular parking in Indian cities. Discuss and compare various patterns of on-street parking. Mention the solution of parking in urban area. Explain of importance of conducting parking surveys and key information collected through these surveys.	20	CO4
	OR Write Short Notes on following:		
	A. Purpose of accident studies and preparation of accident records (8)		

B. Importance of Highway Lighting and factors affecting visibility. (6 Marks)C. Advantages, disadvantages and design parameters of a Traffic Rotary. (6 Marks)		
---	--	--