Sanjay Ghodawat University, Kolhapur

2020-21

Established as State Private University under Govt. of Maharashtra. Act No XL, 2017

EXM/P/09/00

Year and Program: TY B.Tech	**School of Technology**	**Department: Civil Engineering**
Course Code: CET319R1	**Course Title: Advanced Traffic Engineering**	**Semester : V**
Day : Wednesday **Date : 23.12.2020**	**End Semester Examination**	**Time : 2 Hrs.** **Max Marks : 50**

Instructions: 1) All Questions are compulsory.
2) Figures to the right indicates full marks

		Marks	Bloom's Level	CO
Q.1	**Answer the following (any Two)**–			
a)	State and explain the functions of traffic Engineers	8	L2	CO1
b)	With a neat diagram explain the phenomenon of OFFTRACKING	8	L4	CO2
c)	Illustrate power requirement of a vehicle for different resistance	8	L4	CO2
Q.2	**Answer the following (any two) –**			
a)	Enlist the techniques adapted for Travel Demand Management. Explain its applications.	8	L3	CO3
b)	Explain the factors governing trip generation and trip attraction	8	L3	CO3
c)	Explain multiple linear regression analysis and its types.	8	L3	CO3
Q.3	**Answer the following (any two) –**			
a)	Write a note on ITS and enlist the objectives of ITS	9	L3	CO4
b)	Illustrate - a) Automatic Vehicle Location b) Automatic Vehicle Identification	9	L2	CO4
c)	Explain the role of public transport system in India.	9	L3	CO4

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