

Registration no:

--	--	--	--	--	--	--	--	--	--

Total Number of Pages: 02

M TECH
CEPE 206

2ND SEMESTER REGULAR/BACK EXMINATION – 2015-16
INFRASTRUCTURE ENGINEERING AND TRANSPORTATION PLANNING

Q.CODE:W799

Time: 3 Hours

Max marks: 70

Answer Question No.1 which is compulsory and any five from the rest.
The figures in the right hand margin indicate marks.
Assume Suitable Data Wherever Necessary

- Q1** Answer the following questions: **(2 x 10)**
- a) Define cloverleaf interchange.
 - b) Differentiate between on-street and off-street parking.
 - c) Define rotary intersection.
 - d) Enumerate the characteristics that judge the efficiency of any mode of travel.
 - e) What do you mean by TDM?
 - f) Write some well known traffic management measures.
 - g) Write the classifications for range of roadway facility actions.
 - h) What is the primary objective for improving traffic vehicular flow?
 - i) What do you mean by staggered hour?
 - j) Which measures are essential for mitigating the problem of ribbon development along highways?
- Q2** Describe traffic signalization and traffic operations in brief. **(10)**
- Q3** Explain the methodology for monetary evaluation of travel time. **(10)**
- Q4** a) Write the different social impacts of transportation management. **(5)**
- b) What are the requirements of a good road pricing system? **(5)**
- Q5** a) What do you mean by one-way streets? Draw neat diagrams to show vehicular points of conflicts for two way and one way streets. **(5)**
- b) What are the advantages and disadvantages of adopting one-way street system of traffic management? **(5)**
- Q6** a) What are the techniques applied for reducing traffic flows during peak hour? Explain. **(5)**
- b) Briefly explain the different methods employed for traffic restraint? **(5)**

Q7 a) What are the different methods of economic evaluation for arriving at an assessment of soundness of a scheme? Explain in detail. **(5)**

b) What are the advantages and disadvantages of staggered hours? **(5)**

Q8 Write Short Notes (Any Two) **(5 x 2)**

a) Advantages of staggered hours

b) Transportation network analysis

c) Correlation of traffic and parking problems

d) Rotary intersection with its different elements