

SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA

SEMESTER END EXAMINATIONS (REGULAR), MAY-2016

B.Planning- II YEAR IV SEMESTER

TRAFFIC & TRANSPORTATION PLANNING- II (10210406)

Maximum Marks – 50

Time – 2.00 Hours

a) Answer any Two questions out of 1 to 4 questions.

b) Question No.5 is compulsory and answer any four out of six sub-questions.

Q1 Consider the following observed data on trips between Zone pairs.

Zone pair	Daily car trips	Daily rail trips	Gc _{CT}	Gc _{RT}	(15M)
1,1	900	100	6	12	
1,2	100	150	19	16	
1,3	30	270	33	29	
2,2	470	30	4	12	
2,3	48	32	20	20	
3,3	288	12	3	12	

Predict proportion of trips that will use rail if GC of rail is 13 & GC of car is 10.

- By means of lofit curve
- By calculating expression for lofit curve.

Q2 Compare transport safety statistics of India & the world and explain why lower accident rates prevail in industrialised countries. (15M)

Q3 Explain the impact of environment on transport & impact of transport on environment. (15M)

Q4 Describe and differentiate various models of Public Private Partnership followed in transport sector. (15M)

Q5 Write short notes on: (4 x 5=20M)

- Factors affecting demand for public transport
- Characteristics of freight transport
- Transport Planning Process
- Cross-classification/ category analysis
- Gravity Model parameters
- Generalised cost of car and public transport
