Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. - SEMESTER - III • EXAMINATION - WINTER • 2013

Su	bject	code: 731902 Name: Transp 0.30 am – 01.00	ortation Econo	mics and Proje	Date: 28-11-2013 ct Evaluation Total Marks: 70			
		0.30 am = 01.00 tions:	y pin		Total Maiks. 70			
111)	1. 2.	Attempt all que Make suitable a	stions. ssumptions where ight indicate full n	•				
Q.1	(a)	What is the purpose of carrying transportation economics? What are the major considerations to be taken care in it?						
	(b)	What are the maje	or transportation pr	oject costs? How to	hey are measured?	07		
Q.2	(a)	What are the various economic costs and benefits that are to be considered while evaluating a transport project?						
	(b)	_	ors affecting road u			07		
	(b)	Differentiate betw	veen financial and	OR economic aspect of	transportation project.	07		
Q.3	(a)	What is transportation decision making? What are various costs related analysis which are considered in decision making?						
	(b)		Option 1	Option 2	Option 3	07		
		Benefits	8 crore	10 crore	6 crore			
		Costs	10 crore	8 crore	4.5 crore			
		B/C ratio	0.8	1.25	1.33			
		Net benefits Considering the condition and when the condition and when the condition are the condition and when the condition are the condition and when the condition are th		2 crore 3/C which is the	best option in different			
				OR				
Q.3	(a)	posal for a project invest	07					
		Rs.1 crore to get a return of Rs. 35 lacs for the first two years and Rs. 10 lacs						
		for the next 5 years. The rate of interest is 12% per year. Find out NPV and						
	state whether the investment is profitable or not.							
	(b)	b) What is internal rate of return? Compare it with other methods of economic evaluation?						
Q.4	(a)							
	(b)	What is importance of techno economic feasibility study of a project? OR						
Q.4	(a)	What are various methods of economic analysis? What are the basics of these methods?						
	(b)	What are the social costs and benefits of a transport project?						
Q.5		 Write Notes on any 2:- Accident cost and congestion cost. Various maintenance costs of transport project. Ranking of alternative projects. Transport economics in developing countries. 						
