GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER- II(New course) • EXAMINATION (Remedial) - WINTER- 2015

Subject Code: 2721307 Subject Name: Economic Evaluation of Transportation Projects Time: 2:30 pm to 5:00 pm Instructions: 1. Attempt all questions.			15
			: 70
	2.	Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	Describe various stages involved in Economic Evaluation of Transportation Project.	07
	(b)	(a) Differentiate between: (I) Economic Evaluation and Economic Formulation of Engineering projects, (II) Economic Analysis and Financial Analysis	07
Q.2	(a) (b)	Explain demand and utility. Discuss with graphs: Marginal utility, Consumerøs Surplus, Elasticity of demand.	07 07
	(b)	OR Write difference between GNP and GDP. How they are calculated?	07
	(b)	-	
Q.3	(a) (b)	Write a short note on õSensitivity Analysisö. How road user cost is calculated? What are the factors affecting RUC? OR	07 07
Q.3	(a)	What are the benefits of mass transit system? Which costs are involved in the System?	07
	(b)	What is road pricing? Discuss methods and advantages of road pricing.	07
Q.4	(a) (b)	Discuss role of taxes and tolls in financing transportation projects. Discuss national policy in context of fares and subsidy which are directly affecting transportation projects.	07 07
		OR	
Q.4	(a) (b)	Write short note on Highway financing. What are the sources of finance for any infrastructure project? Explain BOT, BOO, BOOS, FBL, BOOT	07 07
Q.5	(a)	Discuss national policy in context of fares and subsidy which are directly affecting transportation projects.	07
	(b)	Discuss the factors affecting maintenance cost. OR	07
Q.5	(a) (b)	Differentiate between public and private finance. Discuss various costs of transportation project.	07 07
