Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER-I(New course) • EXAMINATION - WINTER- 2015

Subject Code: 2711305 Subject Name: Environment Impact Assessment of Transportation Project Name: 4, 5,00		ct	
	ruction 1. 2.	30 pm to 5:00 pm Total Marks: 7 Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	U
Q.1	(a) (b)	Describe the purposes of Environment Impact Assessment (EIA) of transportation projects. Discuss the key features of National Environmental Policy Act.	07 07
Q.2	(a) (b)	Explain the 'Screening' in the EIA process. How would you plan the EIA process of any rural road construction? OR	07 07
	(b)	Discuss the 'Scoping' in the EIA process.	07
Q.3	(a) (b)	Explain with example matrix method for impact identification. Prepare check list for EIA of any railway project. OR	07 07
Q.3	(a) (b)	Explain with example network method for impact identification. Prepare check list for EIA of any sea port project.	
Q.4	(a) (b)	Which factors influencing the propagation of airborne vehicular pollutants? What is the relation between vehicle speed and emissions? Describe the impact prediction approaches of air pollution caused by transportation projects.	07 07
		OR	
Q.4	(a) (b)	Briefly discuss about the various sources and effects of air pollutants. Describe the mitigation measures for the noise pollution caused by transportation projects.	07 07
Q.5	(a)	Discuss about prediction and assessment methods for the noise impacts caused by transportation projects.	07
	(b)	Discuss about the significance of public participation in environmental decision making process. OR	07
Q.5	(a) (b)	Describe the different socio-economic impacts of the transportation projects. Explain about development of decision matrix for evaluation of alternatives in EIA process.	07 07
