Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

ME – SEMESTER-1 (NEW) EXAMINATION – WINTER 2016

Subject Code: 2711305 Date:06/01/2017 Subject Name: Environment Impact Assessment of Transportation Project			
Time: 2:30 pm to 5:00 pm Instructions: Total Marks: 70			
IIIS	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	Discuss the concepts of environmental impact analysis. Describe the salient features of National Environmental Policy Act.	07 07
Q.2	(a) (b)	State the various stages involved in Environment Impact Assessment (EIA) process and draw its flow chart. Explain Screening in EIA process.	07 07
	(b)	OR Explain Scoping in EIA process.	07
Q.3	(a) (b)	Explain planning and management of EIA studies. Prepare the checklist for the EIA of river bridge construction on highway.	07 07
Q.3	(a) (b)	OR Describe the necessity of 'Analysis of the alternatives' in EIA of highway project. Prepare the matrix for the EIA of airport construction near the city area.	07 07
Q.4	(a) (b)	Discuss the significance of mitigation measures in EIA procedure. Discuss briefly about the sources of air pollutants on highway. OR	07 07
Q.4	(a)(b)	Explain briefly remedial measures of environmental impact by air pollutants on highway. Discuss briefly about impact prediction approaches for the air pollution caused by transportation project.	07 07
Q.5	(a)	Discuss briefly about assessment methods for the noise impacts caused by transportation project.	07
	(b)	Discuss about the significance of public participation in environmental decision making process.	07
Q.5	(a)	OR What are the different socio-economic impacts of the transportation projects?	07
γ.	(a) (b)	Discuss about the techniques for conflict management and dispute resolution in EIA process.	07
