GUJARAT TECHNOLOGICAL UNIVERSITYME - SEMESTER- I (New course)• REMEDIAL EXAMINATION – SUMMER 2015Subject Code: 2711305Date:15/05/2015Subject Name: Environment Impact Assessment of Transportation ProjectTime: 10:30 am to 1:00 pmTotal Marks: 70Instructions:1. Attempt all questions.2. Make suitable assumptions wherever necessary.3. Figures to the right indicate full marks.			
Q.1	(a) (b)	What do you understand by -Environment Impact Assessment (EIA) ? Why EIA is necessary for transportation projects?	07 07
Q.2	(a) (b)	Briefly explain the steps involved in EIA process. Discuss about key features of National environmental policy act and its implementation.	07 07
	(b)	OR Why screening procedure is important in EIA process?	07
Q.3	(a) (b)	What are the contents in generic structure of EIA document? Describe the necessity of Analysis of the alternativesø in EIA of highway project?	07 07
Q.3	(a) (b)	OR What are the environmental components to be considered in EIA of highway project? Explain what types of data shall be collected for any one of them. What are the anticipated impacts on Land environment and its mitigation measures of highway project?	07 07
Q.4	(a) (b)	How the checklists, matrices and networks are useful in scoping process? Discuss about magnitude, extent and duration of Impact studies. What are the Impact prediction methodologies?	07 07
Q.4	(a)	Describe the anticipated impacts on Air environment due to highway project.	07
	(b)	State the mitigation measures for the same. What are the vehicular air pollutants? What are their effects on health? How will you control them?	07
Q.5	(a)	Describe the anticipated impacts on Noise environment due to highway project.	07
	(b)	State the mitigation measures for the same. How the public participation in the EIA process can be carried out? OR	07
Q.5	(a)	Describe the anticipated impacts on Socio-economic and Health environment due to highway project. State the mitigation measures for the same	07
	(b)	due to highway project. State the mitigation measures for the same. Describe the necessity of Monitoring and Auditing in EIA procedure.	07
