

GUJARAT TECHNOLOGICAL UNIVERSITY**M.E Sem-I Regular Examination January / February 2011****Subject code: 711704N****Subject Name: Environmental Impact Assessment of Engineering Projects****Date: 04 /02 /2011****Time: 02.30 pm – 05.00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1 (a)** Try any TWO **07**
1. Why is EIA talked everywhere?
 2. Narrate in detail Environmental legislations India for EIA.
 3. Describe method of calculating pollutants from the an power station working on fossil fuels
 4. Calculate total quantities of pollutants released by an automobile working on petrol if it drives 1,00,000km with an average of 20km/litre
- (b)** Describe Economic development of last century which has resulted environmental degradation. **07**
- Q.2 (a)** For any Project of Engineering describe Environmental Setting for base line data. **07**
- (b)** Describe methods of Analysis of Impacts on Environment. Give one method with example of engineering project. **07**
- OR**
- (b)** Describe Concept of EIA in planning of an engineering projects for sustainable development. **07**
- Q.3 (a)** Describe the methods of network for environmental assessment of a transportation engineering project. **07**
- (b)** Narrate the need of public participations in engineering projects for EIA. **07**
- OR**
- Q.3 (a)** Describe the methods of checklist with ranking for environmental assessment of a thermal power project **07**
- (b)** Narrate the need of participations of all experts in EIA in engineering projects **07**
- Q.4 (a)** Describe in detail Biological and Socioeconomic environment impacts of an Industrial Project **07**
- (b)** Describe major Environmental issue of Sardar Sarovar Narmada project of Gujarat state OR any multipurpose project. **07**
- OR**
- Q.4 (a)** What is present status of Posco project's major Environmental Impacts? **07**
- (b)** Describe in detail basic principles of sustainable development in old methods of non-sustainable development **07**
- Q.5 (a)** Describe factors affecting selection of site for Industries. **07**
- (b)** Describe Practical Consideration in impact assessment for preparing an EIA report. **07**
- OR**
- Q.5 (a)** Narrate in details legal requirements of Industries **07**
- (b)** Give detail EIA attributes of a project for which an adhoc method is used for Infrastructure projects and Power transmission projects. **07**
