

GUJARAT TECHNOLOGICAL UNIVERSITY**M. E. IST Semester–Remedial Examination – July- 2011****Subject code: 711704N****Subject Name: Environmental Impact Assessment for Engineering Projects****Date: 13/07/2011****Time: 10:30 am – 01:00 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) Explain the term-environmental impact assessment in light of development with and without concern of Environmental Protection **07**
- (b) Why is Environmental settings on physical, biological and other attributes essential? Give in detail procedure to be followed. **07**

- Q.2** (a) How are significance of any impact decide? What is role of all experts in deciding this **07**
- (b) Is it Economic development and environmental degradation go together? Give the new concept of Economic development and environmental protection. **07**

OR

- (b) Narrate Legal requirement of EIA in India. Differentiate initial and present notification of the Indian Government for different projects, their basis and terms of references **07**

- Q.3** (a) Give merits and demerits of Methods of Analysis of Impacts on Environment **07**
- (b) Is nuclear energy safer to other energy resources? Why? **07**

OR

- Q.3** (a) Enlist all methods Analysis of Impacts on Environment. Describe one in detail with an practical example. **07**
- (b) Describe major Analysis of Impacts on Environment of Sardar Sarovar Project of Gujarat state **07**

- Q.4** (a) Explain in detail Concept of , Public hearing procedure and guidelines **07**
- (b) Give in detail practical consideration in impact assessment. **07**

OR

- Q.4** (a) Why is public participation made compulsory in EIA procedure? Give limitations and advantages of this component. **07**
- (b) What is roll of Environmental Engineer in team of EIA? How is Environmental Statement prepared? **07**

- Q.5** (a) Write note on any ONE of followings **07**
- (i) Matrix methods of EIA.
- (ii) Network Analysis
- (iii) Application of computer in EIA
- (b) Narrate various government resolutions on selecting the location of industries, environmental point of view. **07**

OR

- Q.5** (a) Describe case histories of Engineering Projects of Energy Generation Projects both thermal and Hydal in view of EIA, **07**
- (b) Give in detail major economical and environmental consideration of location of Industry **07**
