

GUJARAT TECHNOLOGICAL UNIVERSITY**M. E. IST Semester–Remedial Examination – July- 2011****Subject code: 711804****Subject Name: Environmental Impact Assessment****Date: 13/07/2011****Time: 10:30 am – 01:00 pm****Total Marks: 60****Instructions:**

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

- Q.1** (a) Define and define the difference between Environmental Impact Assessment and Analysis. **06**
 (b) Write a short note on Air Quality Assessment. **06**
- Q.2** (a) Describe the concept of EIA and its objectives **06**
OR
 (a) Explain whether EIA should be carried out for developmental projects. **06**
 (b) Write a short note on Sustainable Development. **06**
- Q.3** (a) Explain different categories of impacts with the help of examples. **06**
 (b) As a consultant you are given assignment to carry out the EIA for a proposed 12 MMTPA refinery at a distance of 5 km from the periphery of a large city. Discuss the methodology you will adopt for carrying out EIA study, and list out the likely environmental impacts **06**
OR
- Q.3** (a) A large thermal power project is proposed on sea shore. What are the possible environmental impacts? Classify the impacts. **06**
 (b) Discuss different EIA methods and describe any one in detail. **06**
- Q.4** (a) Give a historical account of the process through which environmental management has passed over a period of time in developed countries. **06**
 (b) Briefly discuss the key sustainability factors for ensuring sustainable industrial growth in our country. **06**
OR
- Q.4** (a) Explain mitigation measures in the context of Air Quality Assessment for EIA studies. **06**
 (b) Describe the six steps methodology for assessment of water impacts and describe any two in detail. Illustrate these steps in the form of a proper diagram. **06**
- Q.5** (a) A large scale pharmaceutical industry is proposed to be established near a perennial river and is to discharge its wastewater into it. Predict the likely impacts on water environment. **06**
 (b) Describe the aspects to be involved in base line monitoring related to air quality assessment in a given study area. **06**
OR
- Q.5** (a) Discuss the aspects of Impacts on Land environment, and Suitable Mitigation measures for an industrial estate **06**
 (b) Discuss briefly EIA methodology. **06**
