

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- VIIIth SEMESTER-EXAMINATION – MAY- 2012****Subject code: 181302****Date: 12/05/2012****Subject Name: Environmental Impact Assessment****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) EIA is an obstruction in the path of development. Express your views **07**
 (b) Establish the relation ship between human activity and environmental impact for deforestation **07**
- Q.2** (a) Explain the different EIA methods and explain in detail any one. **07**
 (b) Define :Impact Assessment and Impact Statement **07**
- OR**
- (b) Define and explain (i) short term and long term impacts (ii) Reversible and irreversible impacts **07**
- Q.3** (a) What type of data is required to describe existing environmental conditions for impact assessment? List the requirements only. **07**
 (b) Explain the importance of describing 'land use' in EIA. **07**
- OR**
- Q.3** (a) How will you describe the project from point of view of developing EIA **07**
 (b) Define with the help of example **07**
- (i) Quantifiable and non quantifiable impacts.
 (ii) Acceptable and non acceptable impacts
- Q.4** (a) Develop the descriptive checklist of environmental parameters likely to be affected by the proposed construction of a dam across a perennial river. **07**
 (b) Explain the second step i.e prediction of impacts with the help of example. **07**
- OR**
- Q.4** (a) Develop the different types of environmental impacts due to the proposed thermal power plant and arrange them as per the classification. **07**
 (b) Explain the 'Evaluation' step of EIA and highlight its importance. **07**
- Q.5** (a) Explain in detail the 'Interaction Matrix' method. **07**
 (b) Enlist the drawbacks of EES method. **07**
- OR**
- Q.5** (a) Explain the EES method of EIA. **07**
 (b) Enlist the drawbacks of Matrix method of EIA. **07**
