

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VIII (NEW) - EXAMINATION – SUMMER 2017****Subject Code: 2181302****Date: 29/04/2017****Subject Name: Environmental Impact Assessment****Time: 10:30 AM to 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) Differentiate between Environmental Impact Assessment and Environmental impact Analysis (two points each). State the objectives of EIA. **07**
(b) EIA is an applicant's report - Explain. **07**
- Q.2** (a) Define EIS. Also justify the statement; EIS is the conclusion of EIA. **07**
(b) Explain the concept of Sustainable Development. Also state the principles of Sustainable development. **07**
- OR**
- (b) Enlist the methods of EIA and explain "Interaction matrix" method in detail. **07**
- Q.3** (a) EIA ensures that the project location study considers baseline conditions. Explain. **07**
(b) EIA is a four step activity. Which step according to you is more important and why? **07**
- OR**
- Q.3** (a) Define value function graph. Mention its purpose and significance. Also draw value function graph for DO and pH. **07**
(b) Enlist the players of EIA and explain any five. **07**
- Q.4** (a) Explain how Public participation is a conflict – prevention technique. **07**
(b) Classify Environmental impacts based on desirability and time scale with examples. **07**
- OR**
- Q.4** (a) Define Environmental attributes. Mention and explain the three types of attributes. **07**
(b) Explain the detailed contents of EIA. **07**
- Q.5** (a) EIA is anti-development: a myth or fact? Justify the statement. **07**
(b) A large scale industrial estate is proposed to be established. The proposed estate will accommodate textile industry only. Identify and classify the environmental impacts. Also develop a matrix establishing cause-effect relationship. **07**
- OR**
- Q.5** (a) Explain EIA is an integral part of the planning and decision making process. **07**
(b) Explain the latest amendment of EIA notification. **07**
