

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII EXAMINATION – SUMMER 2025

Subject Code:3171311

Date:08-05-2025

Subject Name:Environmental Impact Assessment

Time:02:30 PM TO 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.
4. Simple and non-programmable scientific calculators are allowed.

- Q.1** (a) Define sustainable concept & Name the 17 SGDs. **03**
(b) Define the following terms: **04**
Environmental carrying capacity , Environmental attribute , Environmental impact assessment , Environmental impact statement.
(c) EIA is a four step activity , Justify the statement. **07**

- Q.2** (a) Write down a generic structure of EIA report. **03**
(b) Differentiate between Rapid EIA & Comprehensive EIA. **04**
(c) List the Environmental Impact assessment methods & explain any one with example. **07**

OR

- (c) Draw a flow chart for obtaining Environmental Clearance (EC) for proposed developmental activity. **07**
- Q.3** (a) Discuss the general condition & specific condition as per EC notification. **03**
(b) Name the players of EIA & explain role of any two player. **04**
(c) What do you understand by “Value function graph”? Draw value function graph for TDS & pH **07**

OR

- Q.3** (a) Discuss the importance of public participation in EC process. **03**
(b) Write full forms of SEAC & SEIAA in EC procedure & explain their role. **04**
(c) Write down the category of construction project fall under EC & classify the impacts caused during construction phase. **07**

- Q.4** (a) Explain the terms : Screening & Scoping. **03**
(b) Establish relationship between human activity & environmental impacts for deforestation. **04**
(c) Explain the step by step procedure for conducting public hearing process. **07**

OR

- Q.4** (a) Name the methods to collect data for water attribute in EIA study. **03**
(b) Explain the importance of mitigation of impacts in EIA. **04**
(c) Define the base line study & discuss importance of baseline study in EIA. **07**

- Q.5** (a) Write down the reversible & irreversible impacts occurred due to mining project. **03**
(b) What do you understand by TOR? **04**
(c) Express you views on “ EIA is just a paper tiger” **07**

OR

- Q.5** (a) Identify the short term & long term impacts caused by chemical industry. **03**
(b) Write the silent features of EIA notification. **04**
(c) Narrate in detail Environmental legislations India for EIA **07**