

Enrollment No./Seat No.:

# GUJARAT TECHNOLOGICAL UNIVERSITY

Bachelor of Engineering - SEMESTER - VII EXAMINATION - SUMMER 2025

Subject Code: 3174029

Date: 23-05-2025

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.

	Marks
<b>Q.1 (a)</b> Discuss the need for environmental management?	03
<b>(b)</b> Describe the factors affecting the duration of EIA.	04
<b>(c)</b> Explain the Environmental Clearance Procedure in India.	07
<b>Q.2 (a)</b> Highlight the scope of EIA.	03
<b>(b)</b> Explain the reason behind conducting an environmental audit.	04
<b>(c)</b> Explain the benefits of Strategic Environmental Assessment.	07
<b>OR</b>	
<b>(c)</b> Discuss the constraints of SEA.	07
<b>Q.3 (a)</b> Explain the significance of project screening stage of EIA?	03
<b>(b)</b> Explain the checklist method of Environmental Impact Assessment.	04
<b>(c)</b> Describe the various elements of an environment audit process.	07
<b>OR</b>	
<b>(a)</b> What is the purpose of conducting EIA?	03
<b>(b)</b> Describe the environmental impact prediction, evaluation, and mitigation.	04
<b>(c)</b> Describe the different types of environmental audits.	07
<b>Q.4 (a)</b> Define Environmental Impact Statement.	03
<b>(b)</b> Differentiate between Private and Public Laws.	04
<b>(c)</b> What are Baseline studies? How the environmental baseline is established.	07
<b>OR</b>	
<b>(a)</b> Describe the rationale and scope of SEA.	03
<b>(b)</b> Describe the basic principles of international environmental laws.	04
<b>(c)</b> Discuss the importance of considering alternatives in EIA studies?	07
<b>Q.5 (a)</b> Explain the client-driven type of environmental audit.	03

- (b) Enlist the major environment policies and legislation in India. Briefly discuss any one. **04**
- (c) Enlist the criteria for assessing the impact of environmental impact assessment on decision. **07**

**OR**

- (a) Explain the objectives of environmental auditing. **03**
- (b) Discuss Industries and environmental policies. **04**
- (c) Describe the procedure to estimate the significance of an environmental impact. If the value of consequence x likelihood comes out to be 12, predict the significance of the environmental impact. **07**

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