

Enrollment No./Seat No.:

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**Bachelor of Engineering - SEMESTER - VII EXAMINATION - WINTER 2025**

**Subject Code: 3174029**

**Date: 28-11-2025**

**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.**
- 4. Simple and non-programmable scientific calculators are allowed.**

	<b>Marks</b>
<b>Q.1 (a)</b> What is meant by environmental ethics?	<b>03</b>
<b>(b)</b> List any four major environmental legislations in India.	<b>04</b>
<b>(c)</b> Describe the evolution and adoption of EIA procedures in various countries.	<b>07</b>
<b>Q.2 (a)</b> Define Environmental Impact Statement (EIS).	<b>03</b>
<b>(b)</b> List the preliminary stages of EIA.	<b>04</b>
<b>(c)</b> Summarize the approaches to environmental management for achieving sustainability.	<b>07</b>
<b>OR</b>	
<b>(c)</b> Explain the role of the Central Pollution Control Board (CPCB) in environmental management.	<b>07</b>
<b>Q.3 (a)</b> What is the purpose of baseline environmental studies in EIA?	<b>03</b>
<b>(b)</b> List any four goals of Environmental Management.	<b>04</b>
<b>(c)</b> Compare the EIA process before and after the 2006 notification.	<b>07</b>
<b>OR</b>	
<b>(a)</b> Name any three techniques used for impact prediction.	<b>03</b>
<b>(b)</b> Differentiate between Private Law and Public Law with respect to environmental protection.	<b>04</b>
<b>(c)</b> Analyze the strengths and weaknesses of SEA.	<b>07</b>
<b>Q.4 (a)</b> Describe the role of participants in environmental management.	<b>03</b>
<b>(b)</b> What are the four general steps involved in an environmental audit?	<b>04</b>
<b>(c)</b> Analyze the importance of considering alternatives in EIA.	<b>07</b>
<b>OR</b>	
<b>(a)</b> Summarize the objectives of environmental legislation in India.	<b>03</b>
<b>(b)</b> Interpret the difference between internal and external environmental audits.	<b>04</b>

- (c) Examine how environmental baseline data influences impact prediction accuracy. 07
- Q.5** (a) Explain the scope of environmental auditing. 03
- (b) Discuss the scope of SEA in decision-making. 04
- (c) Differentiate between liabilities audit, management audit, and activities audit. 07

**OR**

- (a) What are the elements of a typical environmental audit process? 03
- (b) Differentiate between EIA at the project level and SEA at the policy level. 04
- (c) Analyze the role of various stakeholders (i.e, regulatory agencies, firms, consumers) in conducting environmental audits. 07

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