

## GUJARAT TECHNOLOGICAL UNIVERSITY

BE- SEMESTER-VII EXAMINATION – WINTER 2025

**Subject Code:3170625**

**Date:13-11-2025**

**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</b>	(a) Define Environmental Impact Statement, Environmental Impact Assessment.	03
	(b) How Categorization of projects is done in EIA?	04
	(c) Write a note on various types of environmental impacts.	07
<b>Q.2</b>	(a) What is the difference between Impact Assessment and mitigation.	03
	(b) Define environment and write a note on components of environment.	04
	(c) Explain Environmental monitoring in EIA.	07
	<b>OR</b>	
	(c) What are the approaches to EIA reporting and review?	07
<b>Q.3</b>	(a) What are the objectives and principles of EIA.	03
	(b) How is baseline study carried out ?	04
	(c) What is cost benefit analysis? What are the general steps to determine it?	07
	<b>OR</b>	
<b>Q.3</b>	(a) What is Baseline study?	03
	(b) How Environment impact can be mitigated?	04
	(c) Explain Environmental Setting.	07
<b>Q.4</b>	(a) Define social and economic benefits of the project.	03
	(b) Describe network method of impact prediction in detail.	04
	(c) What are the conceptual approaches for addressing air environment impacts?	07
	<b>OR</b>	
<b>Q.4</b>	(a) Explain in brief Life Cycle Assessment.	03
	(b) Describe checklist method of impact prediction in detail.	04
	(c) What are the approaches for predicting impact on water environment.	07
<b>Q.5</b>	(a) What is screening and scoping in EIA process?	03
	(b) State salient features of EIA notification (September 2006).	04
	(c) Explain the procedure for obtaining environmental clearance.	07
	<b>OR</b>	
<b>Q.5</b>	(a) Which type of projects come under B1 and B2 category and why?	03
	(b) What is the importance of public participation in EIA process?	04
	(c) Discuss a Case study on EIA for one industry with relevant details.	07

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