

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE- SEMESTER-VII (NEW) EXAMINATION – WINTER 2024****Subject Code:3170625****Date:19-11-2024****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) State the concept of Environmental Impact Assessment.	<b>03</b>
	(b) State the objectives of EIA.	<b>04</b>
	(c) Discuss the Environmental cost benefit analysis of a project.	<b>07</b>
<b>Q.2</b>	(a) Why analysis of alternatives in EIA is required?	<b>03</b>
	(b) What is SEIAA? Explain its function.	<b>04</b>
	(c) Explain Environmental monitoring in EIA.	<b>07</b>
	<b>OR</b>	
	(c) What are screening, scoping and terms of reference (TOR) in EIA?	<b>07</b>
<b>Q.3</b>	(a) Highlight the difference between primary data and secondary data for EIA process.	<b>03</b>
	(b) Discuss- EIA as an Integral Part of The Planning Process	<b>04</b>
	(c) Write a short note on Environmental attributes.	<b>07</b>
	<b>OR</b>	
<b>Q.3</b>	(a) Explain the importance of describing 'land use' in EIA.	<b>03</b>
	(b) State the principles of sustainable development.	<b>04</b>
	(c) What is Baseline study? Explain its importance and methods.	<b>07</b>
<b>Q.4</b>	(a) Explain the importance of EIA as an integral part of decision making process.	<b>03</b>
	(b) Enlist detailed Contents of EIA	<b>04</b>
	(c) Explain the matrix methodology for EIA.	<b>07</b>
	<b>OR</b>	
<b>Q.4</b>	(a) Differentiate giving examples: Quantifiable and non-quantifiable impacts.	<b>03</b>
	(b) What are the criteria used for selecting best EIA method?	<b>04</b>
	(c) Explain the different types of checklists methods for EIA.	<b>07</b>
<b>Q.5</b>	(a) How to predict impacts on water environment in EIA?	<b>03</b>
	(b) Explain the importance of public participation in EIA process.	<b>04</b>
	(c) Explain briefly the different socio-economic impacts of the transportation projects.	<b>07</b>
	<b>OR</b>	
<b>Q.5</b>	(a) What is the purpose of EIA notification 2006?	<b>03</b>
	(b) Discuss application of various models for the Prediction of impact on Air Environment	<b>04</b>
	(c) Briefly explain the various stages involved in Environment Impact Assessment (EIA) with a flow chart	<b>07</b>

\*\*\*\*\*