

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- SEMESTER- VII EXAMINATION – SUMMER 2026****Subject Code:3170625****Date:20-05-2026****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.

		MARKS
Q.1	(a) What are terms of reference (TOR) in EIA? How it is finalized?	03
	(b) State the objectives of EIA.	04
	(c) 'EIA is the important tool for achieving the goal of sustainable development', justify the statement.	07
Q.2	(a) What is SEIAA? Explain its function.	03
	(b) Why analysis of alternatives in EIA is required?	04
	(c) Explain the generalized procedure adopted for environmental impact assessment with the necessary flow chart.	07
	OR	
	(c) Discuss the Environmental cost benefit analysis of a project.	07
Q.3	(a) Enlist the sources and effect of important air pollutants.	03
	(b) Discuss- EIA as an Integral Part of The Planning Process	04
	(c) Explain different Environmental attributes.	07
	OR	
Q.3	(a) Write the difference between primary data and secondary data for EIA process.	03
	(b) Explain the importance of describing 'land use' in EIA.	04
	(c) Define baseline data and discuss how to collect and interpret the baseline data for environmental attributes.	07
Q.4	(a) Enlist different methods used for impact identification.	03
	(b) Enlist detailed Contents of EIS.	04
	(c) Explain Leopold matrix in detail.	07
	OR	
Q.4	(a) What are Quantifiable and non-quantifiable impacts?	03
	(b) What are the criteria used for selecting best EIA method?	04
	(c) Explain simple and descriptive checklists used for the EIA process.	07
Q.5	(a) How to predict impacts on air environment in EIA?	03
	(b) Explain the importance of public participation in EIA process.	04
	(c) Discuss a Case study on EIA for any one Infrastructure project	07
	OR	
Q.5	(a) How the projects are classified as per EIA Notification 2006.	03
	(b) Discuss application of various models for the Prediction of impact on Air Environment	04
	(c) Explain Environmental monitoring in EIA.	07
