

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VII (NEW) EXAMINATION – WINTER 2022****Subject Code:3170625****Date:16-01-2023****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

		MARKS
Q.1	(a) Explain the importance of EIA as an integral part of decision making process	03
	(b) State the objectives of EIA.	04
	(c) Enlist the different agencies for EIA and explain their roles.	07
Q.2	(a) Explain the Checklist method of EIA.	03
	(b) Write the difference between Environmental Impact Assessment and Environmental Impact Statement	04
	(c) Discuss the detailed content of EIA report.	07
	OR	
	(c) Explain Environmental monitoring in EIA.	07
Q.3	(a) What is scoping in EIA?	03
	(b) Describe Environmental Cost Benefit Analysis in detail.	04
	(c) What is the importance of analysis of alternatives in EIA?	07
	OR	
Q.3	(a) Explain the term; (i) TOR (ii) Screening (iii) SEIAA.	03
	(b) Differentiate between Rapid and Comprehensive EIA.	04
	(c) Explain Environmental Setting.	07
Q.4	(a) Discuss the socio-economic impact in EIA.	03
	(b) What is the role of public participation in EIA process?	04
	(c) Write a short note on Environmental attributes.	07
	OR	
Q.4	(a) Which type of projects come under B2 category and why?	03
	(b) What is Baseline study? What is its importance in EIA?	04
	(c) Discuss EIA notification 2006	07
Q.5	(a) Write a short note on the AdHoc Method used in EIA studies.	03
	(b) Explain the public hearing process for Environmental clearance in India	04
	(c) Discuss Environmental impacts likely to occur in Airport project.	07
	OR	
Q.5	(a) Write the stages in the prior environmental clearance process for new projects.	03
	(b) Discuss application of various models for the Prediction of impact on Air Environment	04
	(c) Discuss various direct and indirect impacts likely to occur for typical Road Construction Activity.	07
