

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-IV (NEW) EXAMINATION – WINTER 2023****Subject Code:3140911****Date:11-01-2024****Subject Name: Economics for Engineers****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) Why is it important for an engineer to learn about economics?	03
	(b) What is Simple Interest and Compound Interest?	04
	(c) Explain the types of Estimates.	07
Q.2	(a) Explain Opportunity Cost with suitable example.	03
	(b) Describe the importance of cash as a measure of business success or failure.	04
	(c) Write down the advantage of case study for estimating model.	07
	OR	
	(c) What is decision making? Write down the advantage of decision making. Also list only the problems in decision making process.	07
Q.3	(a) Explain Internal Rate Of Return.	03
	(b) How many types are in learning curve? Explain any one in brief.	04
	(c) What is Debt Repayment? What are components of debt schedule?	07
	OR	
Q.3	(a) What are the uses of different indexes?	03
	(b) What is the difference between Marginal Cost and Marginal Revenue?	04
	(c) What is a cash flow statement? State the uses of cash flow statement?	07
Q.4	(a) What are different kind of recurring and non-recurring costs associated with any projects?	03
	(b) Describe the procedure to prepare cash flow statement.	04
	(c) What is inflation? Discuss causes of inflation. State major effect of inflation.	07
	OR	
Q.4	(a) What is Salvage value?	03
	(b) Explain time value of money.	04
	(c) State and explain types of elasticity of demand.	07
Q.5	(a) Differentiate between present worth analysis and future worth analysis.	03
	(b) What is the advertising? Discuss its importance.	04
	(c) Write short note: Sensitivity Analysis and Break-Even Analysis	07
	OR	
Q.5	(a) Differentiate between Composite Vs Commodity Index	03
	(b) Explain End-Of-Year Convention.	04
	(c) Write short note on different types of taxes	07
