

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- SEMESTER-IV (NEW) EXAMINATION – WINTER 2024****Subject Code:3140911****Date:19-11-2024****Subject Name: Economics for Engineers****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) Explain the requirements of Energy Audit.	03
	(b) Write a detailed note on 'Demand and supply Equilibrium' with diagram.	04
	(c) Explain Economics decisions making process.	07
Q.2	(a) Why is money system needed? Explain how it overcomes the problems of Barter exchange system?	03
	(b) What is difference between fixed cost and variable cost?	04
	(c) Write a brie note on function of management.	07
	OR	
	(c) Write a detailed note on 'Break Even Analysis' with diagram.	07
Q.3	(a) Write down types of Estimate.	03
	(b) Write a Short note on Segmenting Model.	04
	(c) Explain Price Elasticity of demand with due examples.	07
	OR	
Q.3	(a) Define national income and discuss stock and flow concept.	03
	(b) Explain Micro and Macro Economics.	04
	(c) Write short notes on Marginal & Average Costs.	07
Q.4	(a) Write definition of inflation.	03
	(b) Define cash flow.	04
	(c) Explain Annual Cash Flow Analysis.	07
	OR	
Q.4	(a) Explain Internal Rate Of Return.	03
	(b) Explain Effects Of Inflation & Deflation.	04
	(c) Explain the Use of Price Indexes In Engineering Economic Analysis.	07
Q.5	(a) Explain the Benefit-Cost Ratio Analysis.	03
	(b) Define Debt repayment.	04
	(c) Explain the case study of Tata Motors for Economic Analysis In The Public Sector with Quantifying And Valuing Benefits & drawbacks.	07
	OR	
Q.5	(a) Explain Future Worth Analysis.	03
	(b) What is Borrowed Money Viewpoint?	04
	(c) Explain Price Change with Indexes.	07
