

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- SEMESTER-IV (NEW) EXAMINATION – WINTER 2020****Subject Code:3140911****Date:09/02/2021****Subject Name:Economics for Engineers****Time:02:30 PM TO 04:30 PM****Total Marks:56****Instructions:**

1. Attempt any FOUR questions out of EIGHT questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

		MARKS
Q.1	(a) Define economics. Why is the study of Economics useful for engineers?	03
	(b) What is difference between fixed cost and variable cost?	04
	(c) Explain Economics decisions making process.	07
Q.2	(a) Write down types of Estimate.	03
	(b) Explain Recurring And Nonrecurring Costs.	04
	(c) Write short notes on Marginal & Average Costs.	07
Q.3	(a) Define Life-Cycle Costs.	03
	(b) Short note: Segmenting Model.	04
	(c) Explain Income Elasticity of Demand with example.	07
Q.4	(a) What is Sunk Costs?	03
	(b) Explain time value of money.	04
	(c) Write short notes on breakeven analysis.	07
Q.5	(a) Define Debt repayment.	03
	(b) Explain nominal and effective interest.	04
	(c) Explain Annual Cash Flow Analysis.	07
Q.6	(a) Write definition of inflation.	03
	(b) Explain Internal Rate Of Return.	04
	(c) Explain Composite Vs Commodity Indexes.	07
Q.7	(a) Define cash flow.	03
	(b) Write effects and causes of inflation.	04
	(c) Explain Price Change with Indexes.	07
Q.8	(a) What is Borrowed Money Viewpoint?	03
	(b) Explain Future Worth Analysis.	04
	(c) Explain End-Of-Year Convention.	07
