

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER– IV(NEW) EXAMINATION – SUMMER 2023

Subject Code:3140911**Date:07-07-2023****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) what kind of problems will occur while decision making process?	03
	(b) Explain the types of Estimates.	04
	(c) Describe different types of costs in details.	07
Q.2	(a) What is Cash Flow? Discuss the usefulness of Cash Flow Statement	03
	(b) Explain the concept of Future Value and Present Value with necessary examples	04
	(c) Explain Economics decisions making process.	07
	OR	
	(c) Discuss any cash flow technique to compute present value of money with the help of hypothetical example.	07
Q.3	(a) State the difference between Composite Index and Commodity Index	03
	(b) Explain simple and compound interest rate.	04
	(c) Explain Rate of Return. Write the formula of it. Give the detail example with proper calculation of it.	07
	OR	
Q.3	(a) Write a short note on cost volume profit analysis	03
	(b) Compare technical and economical efficiency	04
	(c) Write a Short note on Time Value of Money.	07
Q.4	(a) What are different kind of recurring and non-recurring costs associated with any projects?	03
	(b) Explain debt repayment.	04
	(c) Explain break even analysis in detail with proper diagram.	07
	OR	
Q.4	(a) Explain term tax in detail.	03
	(b) Discuss Benefit-Cost analysis method for evaluating public projects.	04
	(c) What are the causes of inflation? Discuss in detail.	07
Q.5	(a) Explain life cycle cost of project.	03
	(b) Explain effects of inflation and deflation.	04
	(c) Explain price and income elasticity as a case study.	07
	OR	
Q.5	(a) Write short note as case study on competition in advertise segment in India.	03
	(b) Explain present worth analysis with borrowed money point of view.	04
	(c) Explain End-Of-Year Convention.	07
