

MURANG'A UNIVERSITY OF TECHNOLOGY SCHOOL OF ENGINEERING TECHNOLOGY

DEPARTMENT OF	

UNIVERSITY ORDINARY EXAMINATION

2023/2024 ACADEMIC YEAR

THIRD YEAR **SECOND** SEMESTER EXAMINATION FOR BACHELOR OF TECHNOLOGY _____

EMT304: ENGINEERING ECONOMICS AND PRINCIPLES OF MANAGEMENT

DURATION: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

- 1. Answer Question one and any other two questions.
- 2. Mobile phones are not allowed in the examination room.
- 3. You are not allowed to write on this examination question paper.

SECTION A: ANSWER ALL QUESTIONS IN THIS SECTION

QUESTION ONE (30 MARKS)

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- i. Demand and supply
- ii. Quality and quantity
- iii. Substitutes and complements (6marks)
- b) State the macroeconomic law of supply (2marks)
- c) By use of a mathematical formula, illustrate;
 - i. Point elasticity
 - ii. Arce elasticity (4marks)
- d) Sketch in a price-quantity plane and explain three (3) types of supply elasticity (6marks)
- e) Define price and output determination in competitive market (2marks)
- f) List five(5) internal forces within an organization that may affect its ability to realize its goals and objectives (5marks)
- g) Mention five (5) methods of business environment analysis. (5marks)

SECTION TWO: ANSWER ANY TWO QUESTIONS

QUESTION TWO (20 MARKS)

- a) List five(5) components of macro-environment considered when analysing business environment (5marks)
- b) List and explain the five (5) basis forms of business entities. (10marks)

QUESTION THREE (20 MARKS)

- a) Define the following terms
 - i. Production
 - ii. Utility (2marks)
- b) List six(6) methods of demand forecasting (6marks)
- c) In the case of tea farming in Kenya explain the four(4) factors of production that are applied to its success (7marks)

QUESTION FOUR (20 MARKS)

a)	Explai	n the following types of elasticity of supply:				
	i.	P				
	ii.	Unit elasticity				
	iii.	Perfect elastic	(3marks)			
b)) State five (5) expectations to the law of supply giving relevant examples in Kenya.					

c) Sketch a graph of cost per unit against quantity of output, illustrating three (3) different types of costs. (7marks)