

MASENO UNIVERSITY **UNIVERSITY EXAMINATIONS 2015/2016**

SECOND YEAR SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION WITH INFORMATION TECHNOLOGY

CITY CAMPUS - REGULAR/EVENING

AEC 201: INTERMEDIATE MICRO-ECONOMICS

Date: 14th December, 2015

Time: 5.30 - 7.30 pm

INSTRUCTIONS:

- Answer question ONE and any other TWO questions.
- Question ONE carries 30 marks. Other questions carry 20 marks.

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QUESTION ONE

(a). Assuming a utility function given as $U = f(X_1^{0.4}X_2^{0.4})$, if the ut	ility curve passes
through points (30, 60), determine the consumer's marginal rate	
substitution.	(5mark)
(b). The demand function for a firm is given as P = 60-8Q, if the	firms marginal
cost is 4 and its fixed cost is 10, determine the firm's profit.	(5 marks)
(c). Explain the difference between the following micro economic	cs concepts:
(i) A producer surplus and a consumer surplus.	(4marks)
(ii). Income consumption curve and an Engel curve.	(4marks)
(iii). An Isoquant and an Isocost.	(4marks)
(iv). Change in demand and change in quantity demanded.	(4marks)
(d). Geometrically derive the average variable cost curve and exp	lain its shape.
	(4marks)
QUESTION TWO	

(a) (i) Explain the meaning of an indifference curve (2 marks) (ii) Explain the main characteristics of indifference curves (6 marks) (b) (i) Briefly explain two exceptions to the definition of an indifference curve. (4 marks) (ii) Explain any four uses of indifference curve analysis. (8 marks)

QUESTION THREE

total utility curve.

((a). Critically examine the cardinal utility theory. (8marks) (b). Illustrate and explain the consumer equilibrium under the cardinalist approach (7 marks) (c). Explain how you would derive the demand curve for a given good from the

(5marks)

QUESTION FOUR

(4marks) (a) Explain the meaning of production in economic sense. (4marks) (b) (i) Explain the meaning of the term 'production function' (ii). What combination of products "x" and "y" should a farmer produce to minimize costs when his joint cost function is given as $C = f(x, y) = 6x^2 + 10y^2 - xy + 30$ and he has a production quota of $x + y \le 34$. (c). Estimate the effect on costs if the production quota is reduced by one unit.

(4marks)