

MASENO UNIVERSITY UNIVERSITY EXAMINATIONS 2013/2014

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

(CITY CAMPUS – DAY GROUP)

AEC 201: INTERMEDIATE MICROECONOMICS

Date: 11th April, 2014

Time: 5.30 - 7.30 p.m.

INSTRUCTIONS:

- Answer Question ONE and any other TWO questions.
- Question one carries 30 marks and the rest 20 marks each.



curve passes through points (120, 240), determine the consumer's rate of commodity substitution. (ii). If the consumer's fixed income is 240 and the unit prices of the are X ₁ = Ksh 20 and X ₂ = Ksh 14, determine the opportunity conpurchasing good X ₁ in terms of X ₂ and that of X ₂ in terms of X ₁	margiral (5marks) goods st of (4marks)
b). (i). Explain the law of variable proportion as used in production (ii). Suppose a firm's production function is given as $Q = f(K, L)$: determine the firm's marginal rate of technical substitution.	$=20K^{0.5}L^{0.5}$
(c). Using a diagram, explain Slutsky's decomposition of the price to substitution and income effects.(d). What are some of the economies and diseconomies of large sc	effect in (8marks)
production. (e). (i). Explain the conditions for profit maximization by a monop	(4marks)
(ii). The demand function for a firm is given as $P = 30-4Q$, if t marginal cost is 4 and its fixed cost is 5, determine the firm's	he firms
2. (a). Explain any four characteristics of an indifference curve. (b). With the help of a well labeled diagram, explain any three uses of	(8marks)
	(12marks)
3.(a). Distinguish between explicit and social costs.(b).Geometrically derive marginal cost, average fixed cost, average var average total cost curves.(c). Using a diagram, explain the relationship between the cost curves	(6marks)
 (3b) above. (d). Assuming the long run total cost function of a firm is given as C = Q determine the firm's marginal cost. 	(6marks)
4. (a). Explain why a firm in perfect competition may continue in the pr of goods which it can only sell at a loss and why it cannot continuthis indefinitely.	ne doing (8 marks)
(b). In a perfectly competitive market, a firm's average revenue and of functions are given as follows:	eost
$AR = \alpha Q - \beta$ where α , β are constants and Q is the output $AC = \frac{\alpha}{Q} - \beta$ AR is the average revenue and AC is the average	age cost
On the basis of the functions given above, determine:	(2 marks)
(i) Total revenue function.(ii) Total cost function.	(2 marks)
(iii) Total break-even output level.(c). Explain three advantages of economies of scale to the firm.	(3 marks) (3 marks)
5. Discuss the conditions of Pareto efficiency in production and exchan	ge.
	(20marks)