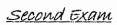


ECON 3311 -Intermediate Microeconomic





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Student Number:	11200	17	

2nd semester 2013/2014

Mr. Mohammad Amreyeh

Answer Sheet

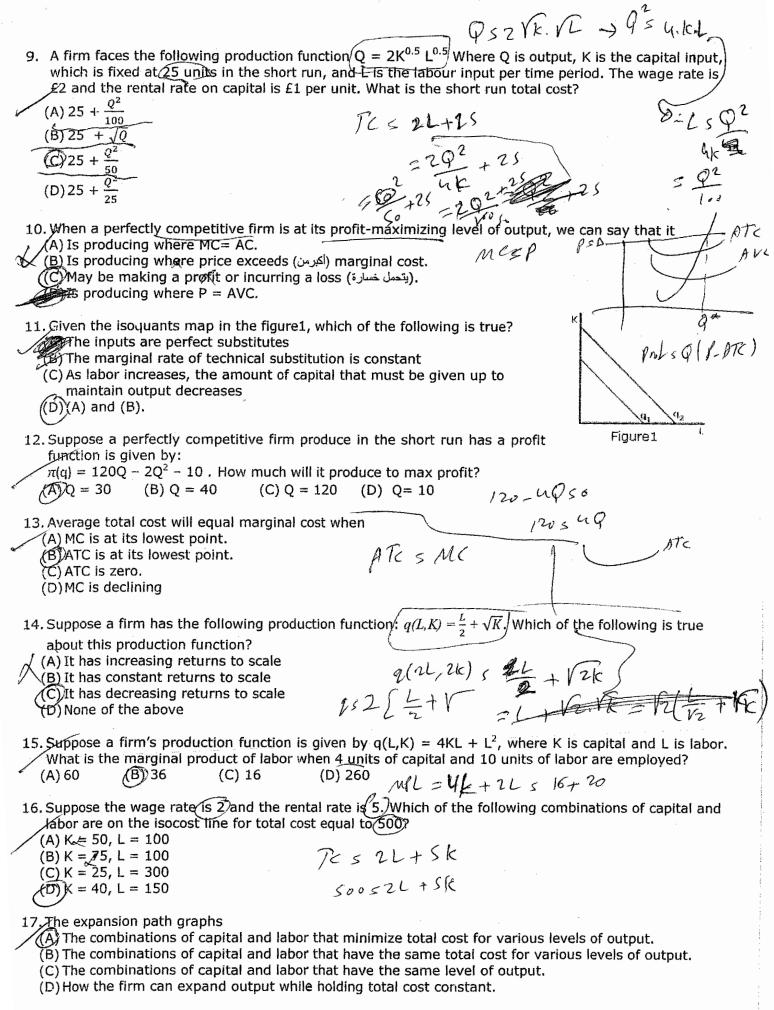
	1.	А	В	С	0	E
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	3.	Α	В	6	D	E
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X	10.	Α	В	0	D	E
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	₹ 14.	Α	В	(3)	D	E
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	18.	(A)	В	С	D	E
	19.	А	(B)	c	D	E
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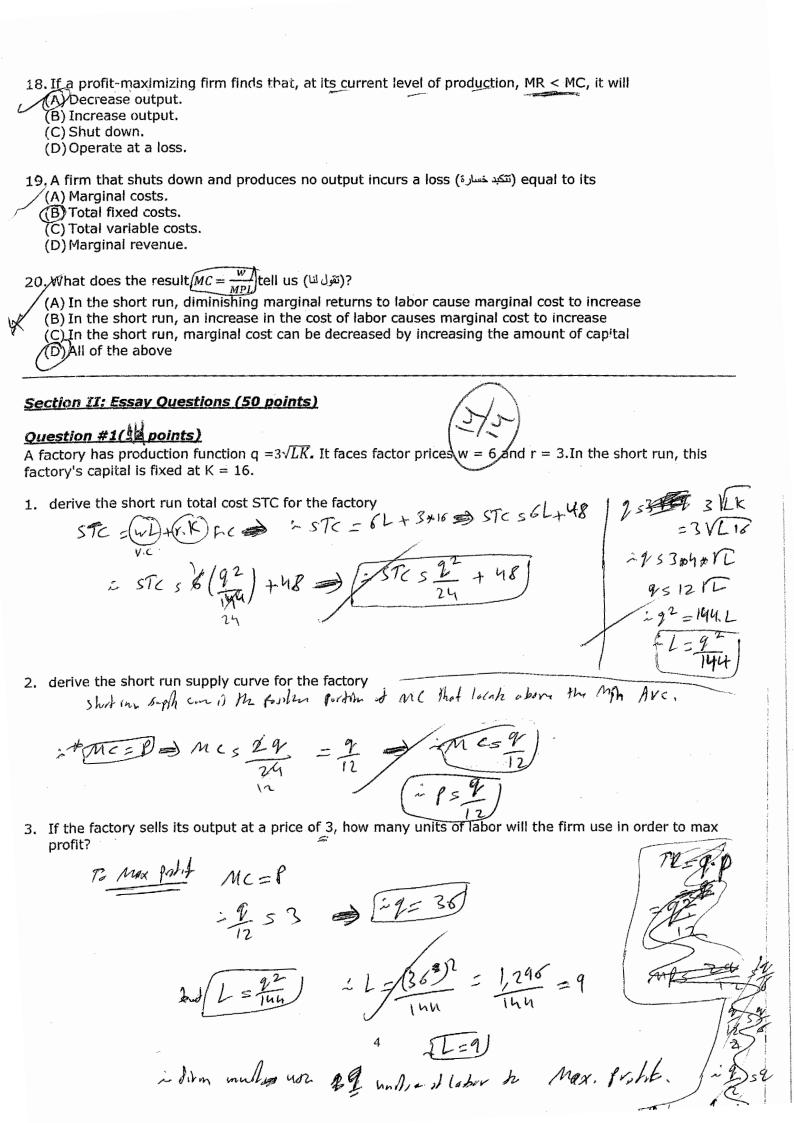


Section I: Multiple Choices (2.5 points each).

Please, circle the correct answer for each of the following 20 multiple-cl:oice questions. For each question, only one of the answers is correct.

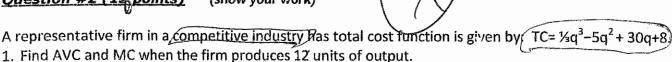
1. If a firm moves from one point on a production isoquant to a	nother, which of the following will NOT
happen. (A) A change in the ratio in which the inputs are combined. (B) A change in the marginal products of the inputs. (C) A change in the rate of technical substitution.	K]
(D)A change in the level of output.	4
 The rate at which one input can be exchanged (سكتا تبديلها) for and output is called the (A) Marginal product curve. 	other input without altering the level of
(B) Average product curve.(C) Marginal rate of technical substitution.(D) Law of diminishing marginal returns.	
3. Consider the following cost curve illustrates for the below figur short-run supply curve for this firm is its	re for a perfectly competitive firm. The
(A) Marginal cost curve. (B) Marginal cost curve at or above \$6.	\$3D - 4
(C) Marginal cost curve at or above \$10.	28 22 MC
(D) AVC curve at or above \$10.	18 14
4. If an individual firm is a price taker, then	10
(A) It faces a horizontal demand curve. (B) It has no real control over the price that it charges; if it	2 2 3 4 5 6 7
raises its price, it will lose all of its customers, and if it lowers its price, it loses revenue.	
(C) Its price is determined by the market-supply and market-der	mand curves.
(D) All of these.	
5. A fixed proportions production function	
(A) fras vertical line isoquants. (B) Has straight line isoquants $(Q = aL + bk)$.	
(C) Has L-shaped isoquants $(Q = min \{aL, bK\})$. (D) Has a constant marginal rate of technical substitution as the	firm substitutes labor for envital
	·
6. Suppose that, at the current level of output, a firm in a perfect level such that price exceeds marginal cost (P > MC). Margina the firm	
(A) Is currently maximizing profit since it is charging a price high	er than marginal cost.
(B) Could increase profit by lowering the level of output. (C) Could increase profit by raising the level of output.	
(D) Cannot increase profit without raising price.	2×
A competitive firm has the following short run cost function TC=	
average variable cost, average total cost, and marginal cost to p (A) AVC = 500,ATC = 507, MC = 170	oroduce(10) units of output?
(B) AVC = 50, ATC = 57, MC = 240	$-89 + 30 = 50$ $9^2 - 89 + 30 + \frac{70}{0} = 57$
//DNAN/C = 60 A1C = 67 MC = 170	-1
8) If a firm has $TC=2q^{1.5}+18q^{0.5}+66$, what is the shutdown price fo	12 -169+30 5900-160+70 5120
(A) 2 (B) 9 (C) 12 (D) 81 $=$	- Arc - 3/9 +9
VCs 2911 + 1819 2	16
$V < s 2 9^{1/5} + 18 19 2$ $A V < s 2 9 \frac{1.5}{2} + 18 9 \frac{90.5}{2}$	= 21 V + VQ = 2 + 18 × 2 VQ
u	LIW





Question #2 (12 points)

(show your work)



2. If the market price is how many units should the firm produce in order to max profit? What would be the firm's profits at this price

T=TR-TC = TT = SUR-137592 = 3048 = T= 54248 - 3935828

A 543 That s(24)12-3(12)3+5(12)2-8=288-3(1,728)+720-85288-576+720-8 55\$424

3. Calculate the shutdown price? What would be the firm's profits or losses at this price?

3. Calculate the shutdown price? What would be the firm's profits or losses at this price?

Shuldway price

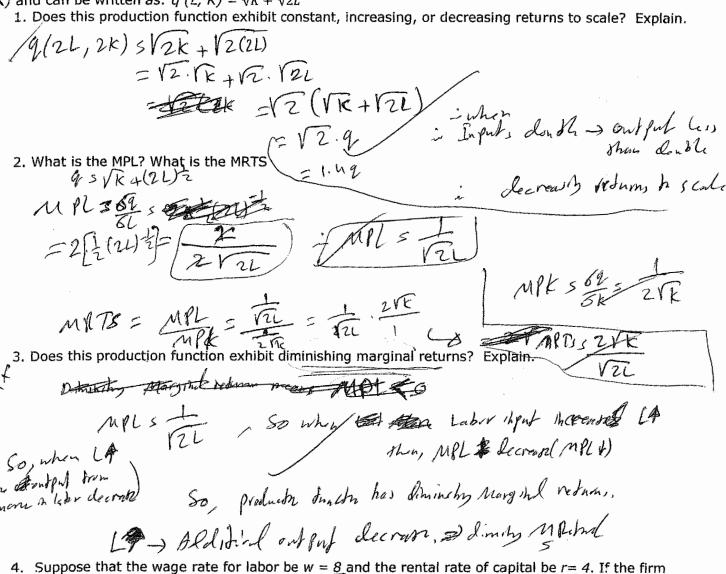
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Question #3(15 points) Suppose that a firm's production and can be written as:



Suppose that a firm's production function of output Q is a function of only two inputs, labor (L) and capital (K) and can be written as: $q(L, K) = \sqrt{K} + \sqrt{2L}$



4. Suppose that the wage rate for labor be w = 8 and the rental rate of capital be r = 4. If the firm produces 20 units of output, how many units of labor will it use?

