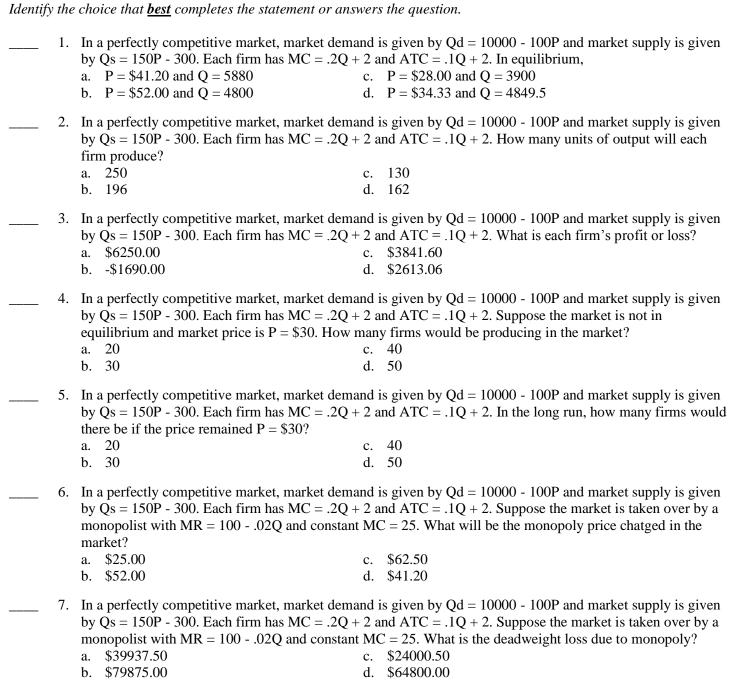
Practice Exam: Students suggested afterwards that this exam was difficult for the allotted time. I agree. Your exam will be less rigorous considering the time constraint and will be very fair.

Multiple Choice



8.	In a perfectly competitive market, market demand is given by Qd = 10000 - 100P and market supply is given
	by $Qs = 150P - 300$. Each firm has $MC = .2Q + 2$ and $ATC = .1Q + 2$. Suppose the market is taken over by a
	monopolist with $MR = 100$ 02Q and constant $MC = 25$. Now consider the possibility that the market
	became an oligopoly. What might be a possible market price in an oligopoly?

a. \$25.00

c. \$62.00

b. \$51.00

d. \$40.00

Scenario 1. Market demand for cartons of cigarettes is given by the following table. ATC is fixed at \$5 per carton.

PRICE in \$	QUANTITY
10	200
20	175
30	150
40	125
50	100
60	75
70	50
80	25
90	0

9. Refer to Scenario 1. What price level would maximize profit if the market were served by a monopoly?

a. \$30

c. \$40

b. \$50

d. \$60

10. *Refer to Scenario 1*. What is the monopoly profit?

a. \$4500

c. \$4375

b. \$5000

d. \$4750

11. *Refer to Scenario 1.* Suppose there are two firms selling cigarettes, each with ATC = \$5 per carton. What is the profit of each team in a Nash Equilibrium?

a. \$2250

c. \$2000

b. \$1875

d. \$1500

Scenario 2. Pens sell for \$5 each and markers sell for \$3 each. Aaron's total utility for various quantities of each good is given below. His budget is \$60.

<u>IS</u>	<u>MARKERS</u>		
TU	Quantity	TU	
0	0	0	
39	5	10	
69	10	40	
90	15	60	
105	20	64	
	TU 0 39 69 90	TU Quantity 0 0 39 5 69 10 90 15	

_ 12. *Refer to Scenario 2.* What combination of pens and markers will maximize Aaron's total utility given his budget?

a. 6 pens, 10 markers

c. 9 pens, 15 markers

b. 9 pens, 5 markers

d. 3 pens, 15 markers

 13.		on at the optimal consumption bundle is: 1.67 1.33
 14.	\$25 and a home-cooked meal costs her \$10. Her we	3 home-cooked meals per week. A restaurant meal costs ekly food budget is \$150. Her marginal utility from a she receives from a home-cooked meal. What should
	a. Eat at home more because the MU per c.	Eat out more because her marginal utility is higher for restaurant meals.
	b. Continue her current consumption since d.	Increase both types of meals as there is room in her budget to do so.
 15.	that the new, after-tax demand curve is given as Qd a. \$5 c.	P. Thr government levies a per-unit tax on consumers such = 565 - 7P. The amount of the per-unit tax is \$25 \$15
 16.	that the new, after-tax demand curve is given as Qd a. \$73.00 c.	P. Thr government levies a per-unit tax on consumers such = 565 - 7P. The deadweight loss due to the tax is \$1250.00 \$1177.00
 17.	that the new, after-tax demand curve is given as Qd tax is approximately	P. Thr government levies a per-unit tax on consumers such = 565 - 7P. the change in consumer surplus because of the
		gain of \$73 no change because producers lost more
 18.	. Domestic $Qd = 840 - P$ and $Qs = 3P + 40$. The world trade,	d price is \$150. If this country engages in international
	•	consumers import 50 units both a. and c. are correct
 19.		· · ·
20.	product of capital of \$10000 per year and a lifespan marginal product of capital of \$8500 per year and a annually. Each technology would cost the firm \$400 a. Buy Technology A; it has a higher present c.	Buy Technology B; it has a longer lifespan.
 21.	A firm faces demand of Qd = 80 - 5P. It is considered should the firm do? a Increase price: demand is elastic and total of the constant of th	Ing raising its price from \$4 to \$5. Ceteris paribus, what

revenue will increase. revenue will increase. b. Increase price; demand is inelastic and d. Keep the price at \$4; total revenue is at a total revenue will increase. maximum since demand is unit elastic. 22. Demand for bachelor apartments is given by Qd = 2000 - 25P. There are currently 300 apartments available. The government enacts a rent control price of \$620. A black market results. How much do tenants actually pay for a bachelor apartment? a. \$620 c. \$650 b. \$680 d. \$690 Scenario 3. The following table gives the production possibilities for Ontario and Quebec which each produce fruit and dairy products. **FRUIT** DAIRY LABOUR HOURS Ontario 500 200 8 300 600 Quebec 6 23. **Refer to Scenario 3.** The opportunity cost of producing fruit in Ontario is a. .4 dairy c. 2 dairy b. 2.5 dairy d. 2.5 fruit 24. Refer to Scenario 3. The opportunity cost of producing dairy in Quebec is a. 2 dairy c. .5 fruit b. .4 dairy d. 2.5 fruit 25. Refer to Scenario 3. Which statement is correct? a. Quebec has comparative advantage in fruit c. Ontario has comparative advantage in fruit and absolute advantage in fruit. and absolute advantage in fruit. b. Ontario has absolute advantage in both d. No province has an absolute advantage in products. either product. 26. Refer to Scenario 3. Currently, both Ontario and Quebec are producing and consuming 250 fruit and 100 dairy. They agree to specialize and trade 250 fruit for 250 dairy. After trade, a. Ontario gains 150 dairy and Quebec gains c. Ontario gains 200 fruit and Quebec gains 250 dairy. 250 fruit. b. Ontario gains 250 dairy and Quebec gains d. Both provinces gain 250 fruit and 100 350 dairy. dairy. The cross-price elasticity of demand for ketchup and barbeque sauce is 3.2. If the price of ketchup increases a. the price of barbeque sauce increases by the quantity demanded of ketchup 3.2%. increases by 12.8%. b. the quantity demanded of barbeque sauce d. the quantity demanded of barbeque sauce increases by 3.2% increases by 12.8%. 28. Supply and demand in a competitive market are bot elastic, but the supply curve is steeper relative to the demand curve. The government levies a \$1 per-unit tax on each good sold. Which statement is correct?

a. Firms will bear more than \$0.50 of the tax c. Firms will bear all of the tax burden.

d. Firms and consumers will share the tax

burden equally.

burden.

the tax burden.

b. Consumers will bear more than \$0.50 of

 29.	An export tariff:a. decreases producer surplus.b. decreases consumer surplus.		increases the world price of a good. both a. and c. are correct.
 30.	-	cos	ts are constant regardless of quantity of output produced.
	a. firms will continue to enter the market.b. firms can never minimize average total costs.		this is a constant cost industry. both b. and c. are correct.
 31.	The marginal product of the 10th worker hired a. 1107 units. b. maximized at 1107 units.	c.	a firm is 0. Average product is 123. Total product is maximized at 1230 units.
 32.	A firm is producing such that its ATC = \$8, AVa. ATC is at a minimum. b. AVC is at a minimum.	c.	= \$6 and MC = \$7. Which statement is correct? MC is at a minimum. no costs are at a minimum.
 33.	The price of milk decreases. The quantity of moreonsumed increases. Why?a. The income effect was positive and the substitution effect was negative.b. The income effect was at least as large as the substitution effect.	c.	The income effect was less than the substitution effect. Both the income effect and the substitution effect were positive.
 34.	Marginal product is at a maximum. Which statea. Total product is at a maximum.b. Average variable cost is at a minimum.	c.	nt is correct? Average product is at a maximum. Marginal cost is at a minimum.
 35.	The marginal rate of substitution for perfect co. a. negative. b. undefined.	_	ements is: zero. constant along the indifference curve.
 36.	In the kinked demand model of oligopoly,a. prices are slow to change.b. the MR curve is discontinuous at the kink.		the MC curve is discontinuous at the kink. both a. and b. are correct.
 37.	An oligopolist is considering changing the leve greater than the output effect, the oligopolist sha. increase output. b. decrease output.	oul	output of she is currently producing. If the price effect is d: leave the output level as it is. make a strategic decision based on what other firms are doing.
 38.	 A monopolistically competitive firm is currentla. average revenue is greater than marginal revenue. b. minimum average total cost is less than \$12. 	c.	elling its product at a price of \$12. In long run equilibrium there is a deadweight loss in welfare. all of the above are correct.
 39.	In monopolistic competition. if the business-stea. there are not enough firms.b. there are too many firms.	c.	g externality exceeds the product-variety externality, consumers are at a disadvantage. both a. and c. are correct.

4	An increase in the price of good on the Y axis va. rotate the budget constraint up the Y axis.		
	b. rotate the budget constraint down the Y axis.	d.	the X axis. shift the budget constraint toward the origin.
4	Demand in the market for cheese is given by Q cheese. The dairy association imposes a quota a. \$3.87 b. \$7.13	of 50 c.	304 - 7.5P and supply is given by Qs = 2P. Q is kg/day of 0 kg of cheese per day. What is the quota rent? \$25.00 \$8.87.
4	Public goods are a. rival and excludable. b. non-rival and non-excludable.		rival and non-excludable. non-rival and excludable.
4	If the Canadian price of a good is lower than tha. Canada has comparative advantage and will export.b. Canada has comparative advantage and will import.	c.	orld price, The world has comparative advantage and will export. Canada has absolute advantage and will export.
4		ease c.	LRAC decreases from 0 to 100 units of output, remains as from 300 units of output or more. An output level of 100 minimum efficient scale excess capacity
4	For any firm, profit maximization requires that a. total product is maximized. b. total revenue is maximized.	c.	ns produce output such that marginal revenue equals marginal cost. all of the above.
4	 For some combination of output of two goods, -1.75. We know that: a. the PPF is bowed outward. b. opportunity costs increase as we give up more Y to get more X. 	c.	the opportunity cost of X at that point is 1.75Y. all of the above.
4		l; the	d a factory. The lower bid will win the contract. The winner e loser of the contract receives nothing. The Nash one firm bids low and one bids high none of the above are correct.
4	In a market where a monopolist perfectly price a. there is no deadweight loss in welfare. b. there is no consumer surplus.		total surplus is maximized.

49. A monopolist surgeon is able to segment his patients into two groups - those needing emergency surgery and those seeking elective surgery. The surgeon can set prices as he sees fit in order to maximize his profits. Which of the following statements is correct? c. Both patient groups will pay the same a. Patients will pay more for emergency since the surgeon's costs are the same surgery. b. Patients will pay more for elective d. Whoever has the more elastic demand for surgery. surgery will pay more, regardless of the type of surgery. 50. A monopolist faces market demand given by P = 160 - Q. Its MR = 160 - 2Q and its MC = 3Q. If the firm can perfectly price discriminate, how much can it add to its producer surplus (compared to when it did not price discriminate)? a. \$128 c. \$640 b. \$512 d. \$3200

Final Exam 2011 VERSION 1

MULTIPLE CHOICE

	ANS:		PTS:	
	ANS:		PTS:	
	ANS:	A	PTS:	: 1
8.	ANS:	В	PTS:	: 1
9.	ANS:	В	PTS:	: 1
10.	ANS:	A	PTS:	: 1
11.	ANS:	В	PTS:	: 1
12.	ANS:	A	PTS:	: 1
13.	ANS:	C	PTS:	: 1
14.	ANS:	A	PTS:	: 1
15.	ANS:	A	PTS:	: 1
16.	ANS:	В	PTS:	: 1
17.	ANS:	В	PTS:	: 1
18.	ANS:	В	PTS:	: 1
19.	ANS:	A	PTS:	: 1
20.	ANS:	A	PTS:	: 1
21.	ANS:	В	PTS:	: 1
22.	ANS:	В	PTS:	: 1
23.	ANS:	A	PTS:	: 1
24.	ANS:	C	PTS:	: 1
25.	ANS:	C	PTS:	: 1
26.	ANS:	A	PTS:	: 1
27.	ANS:	D	PTS:	: 1
28.	ANS:	A	PTS:	: 1
29.	ANS:	A	PTS:	: 1
30.	ANS:	C	PTS:	: 1
31.	ANS:	C	PTS:	: 1
32.	ANS:	D	PTS:	: 1
33.	ANS:	В	PTS:	: 1
34.	ANS:	D	PTS:	: 1
35.	ANS:	В	PTS:	: 1
36.	ANS:	D	PTS:	: 1
37.	ANS:	В	PTS:	: 1
38.	ANS:	D	PTS:	
39.	ANS:	В	PTS:	: 1
	ANS:		PTS:	
41.	ANS:	D	PTS:	: 1

42.	ANS:	В	PTS:	1
43.	ANS:	A	PTS:	1
44.	ANS:	C	PTS:	1
45.	ANS:	C	PTS:	1
46.	ANS:	C	PTS:	1
47.	ANS:	В	PTS:	1
48.	ANS:	D	PTS:	1
49.	ANS:	A	PTS:	1
50.	ANS:	C	PTS:	1