NOTE: The actual no. of questions on the actual MT will be 30, each for 0.67 grade points. MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question. 1) ____ 1) The term "variable input" refers to: A) inputs to production that vary in price. B) inputs to production that vary in quality. C) inputs to production that change in direct proportion to the amount of output produced. D) inputs to production, the quantity of which can be increased or decreased at any point in time. 2) A production method that relies on large quantities of labor and smaller quantities of capital 2) ____ equipment is referred to as a: A) capital-intensive method of production. B) technology-intensive method of production. C) variable-input-intensive method of production. D) labor-intensive method of production. 3) The term "fixed input" refers to: A) inputs to production that do not vary in price. B) inputs to production, the quantity of which cannot be varied in the short run. C) inputs to production that yield a constant or "fixed" marginal product. D) inputs to production that do not vary with respect to quality. 4) Which of the following is true in the short run, but not in the long run? A) The firm's decisions are planning decisions. B) The firm is "stuck" with the existing amount of capital. C) The firm makes decisions by attempting to predict future demand and technological developments. D) The firm is free to vary all of its inputs. 5) Assume a factory that currently employs 25 workers and owns a factory with 10,000 square feet of 5) floor space is considering doubling the size of its factory. Economists would classify this as: A) a long-run decision. B) a short-run decision. C) neither a short-run nor a long-run decision. D) both a short-run and a long-run decision. 6) Economies of scale are illustrated by: A) an upward-sloping long-run average cost curve. B) a downward-sloping short-run average total cost curve. C) a flat long-run average cost curve. D) a downward sloping long-run average cost curve. 7) Which of the following is true of the relationship between the marginal cost function and the 7) average total cost function?

> B) If MC is greater than ATC, then ATC is falling. C) The MC curve intersects the ATC curve at minimum ATC.

A) If MC is less than ATC, then ATC is increasing.

D) The ATC curve intersects the MC curve at minimum MC.

:	3) If a fir	m experi	iences co	nstant re	eturns to	the vari	able inpu	it in the short run,	8)
	-	_	-		-	han aver	rage varia	able product, but the two will become	
		•	ial as ou	•					
		_			-		-	able product, and the difference between	
			will beco						
	-	•	•			average	e variable	product, but the two will become more	
		•	output ir						
		narginai question.	-	and ave	erage var	iable pr	oduct wii	I be equal over the range of output in	
SHORT	ANSWI	ER. Writ	te the wo	ord or ph	nrase tha	t best co	ompletes	each statement or answers the question.	
(e follow ons a-c.	ing infor	mation o	on a hyp	othetical	l short-ru	n production function to answer 9) _	
	l Inits	of Labor/L	Dav	5 6	7	8	9		
		of Output	•	120 14			168		
		o. Garpan	,						
	•		bor is \$20 he price				•	used each day, regardless of	
			_		_			f each unit of labor input.	
				•	•			arginal costs.	
	C. Can	you ten	where a	1111111115111	ng marg	marretu	ırns sets i	11?	
1,	n) Comp	loto the t	abla bala	over verbio	h ronroo	onto the	producti	on costs for a typical firm (Dound 10)	
10			able belo e nearest		mrepres	ents the	producti	on costs for a typical firm. (Round 10)	
	Harrib	cr3 to tric	ricarest	teritri.)					
	<u>TP</u>	TFC	TVC	<u>TC</u>	AFC	AVC	ATC	<u>MC</u>	
	0	\$20	\$ 0	 \$					
	1		27.5		\$	\$	\$	\$27.5	
	2		46.8			23.4			
	3		63.3						
	4		82.5		5.0				
	5		106.7	126.7					
	6		139.7						
	7		181				28.7		
	Δt wh	at level o	of output	t do dimi	inishina	returns	set in? H	ow do you know?	
	7 ((0011	at icver c	or output	do diffi	mismig	i ctairis .	300 1111 1 10	w do you know.	
MULTII	PLE CHO	DICE. C	hoose th	ie one al	ternative	e that be	est compl	etes the statement or answers the questi	on.
1	1) The co	ndition	P = MC i	mplies t	hat				11)
				-		duct at r	nore thar	P will receive consumer surplus.	
	•		unt of co		•				
					-			P will receive consumer surplus.	
	D)	there is r	no consu	mer surr	olus for a	inv cons	umer		

Refer to the information provided in the Figure 12.4 below to answer the questions that follow.

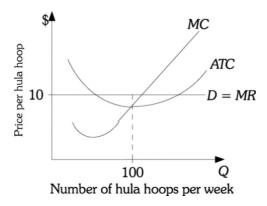
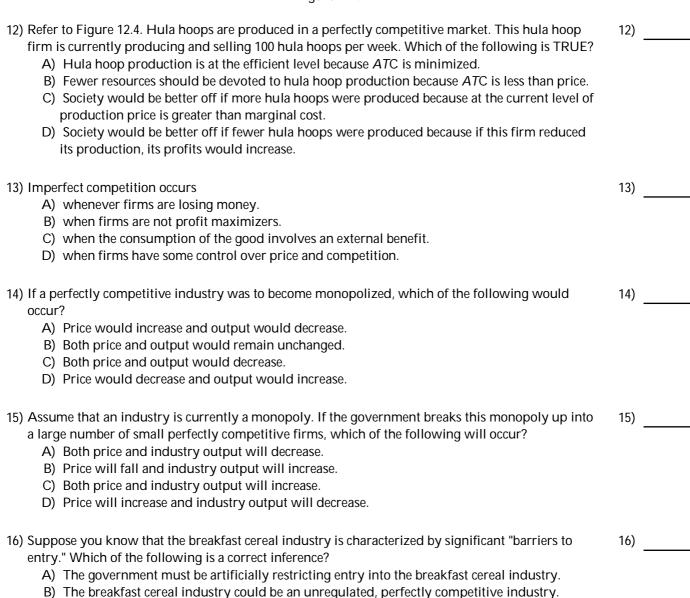


Figure 12.4



D) Economic profits in the breakfast cereal industry are likely to persist, ceteris paribus.

C) The breakfast cereal industry is producing a type of public good.

17) The equilibrium condition $P = MC$ holds	17)
A) only if all markets are perfectly competitive.	
B) only for goods produced by the public sector.	
C) as long as all firms maximize profits.	
D) only if all markets are imperfectly competitive.	
18) In an imperfectly competitive industry	18)
A) a single firm will charge whatever price it wants to charge.	·
B) the government will always regulate the output price.	
C) a single firm has no control over the price of its output.	
D) a single firm has some control over the price of its output.	
, 3	
19) Market power refers to a firm's ability to	19)
A) monopolize a market completely.	
B) sell any amount of output it desires at the market-determined price.	
C) raise price without losing all demand for its product.	
D) charge any price it likes.	
2) sharge any price it intest	
20) A coffee manufacturer raises the price of its coffee by 10%, and the quantity demanded of its coffee	20)
falls by only 6%. This firm has	
A) no monopoly power in the output market.	
B) some output power.	
C) some market power.	
D) not been able to prevent its competitors from competing with it on price.	
b) not been able to prevent its competitors from competing with it on price.	
21) Although patents are a thou also provide	21\
21) Although patents are a, they also provideA) barrier to entry; an incentive for invention and innovation	21)
B) collusive agreement; for free entry of new firms	
C) barrier to entry; for free entry of new firms D) collective agreement, an incentive for invention and innevention	
D) collusive agreement; an incentive for invention and innovation	
	00)
22) An important distinction between perfect competition and monopoly is that in	22)
A) monopoly, the market demand curve faces the firm.	
B) perfect competition, there is no distinction between the firm and the industry.	
C) monopoly, the firm produces less than the total quantity supplied.	
D) perfect competition, the firm is the industry.	

Refer to the information provided in Figure 13.5 below to answer the questions that follow.

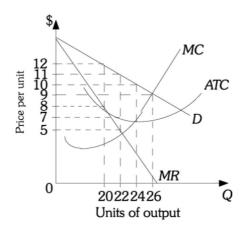


Figure 13.5

23) Refer to Figure 13.5. The profit-maximizing level of output for this monopolist is units of								
output.								
A) 20	B) 22	C) 24	D) 26					
24) When a profit maximizing monopolist earns positive economic profits, price								
A) equals marg	inal revenue.	B) is lower than	marginal cost.					
C) is higher tha		D) equals margi	•					
25) A monopolist is currently maximizing profits. In addition, if P > ATC > MC, then the monopolist								
A) just breaks e	ven.							
B) earns positiv	re economic profits.							
C) is covering to	otal fixed costs but not tota	I variable costs.						
D) is covering total variable costs but not total fixed costs.								
26) A monopolist suffe	ers a loss if its sch	nedule is everywhere abov	ve its schedule.	26)				
A) MC; AVC		C C) ATC; MC	D) ATC; Demand					

Refer to the information provided in Figure 13.6 below to answer the question that follows.

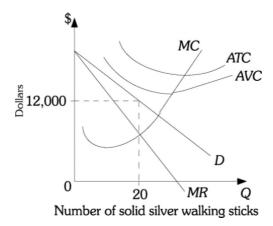


Figure 13.6

- 27) Refer to Figure 13.6. The Silver Exchange has a monopoly over the sale of solid silver walking sticks. The Silver Exchange has hired you as an economic consultant. You should advise this monopolist to
 - A) shut down in the short run and exit the industry in the long run.
 - B) shut down in the short run but expand capacity in the long run.
 - C) produce in the short run but exit the industry in the long run.
 - D) produce in the short run and expand capacity in the long run.

Refer to the information provided in Figure 13.8 below to answer the questions that follow.

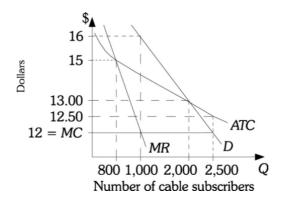


Figure 13.8

- 28) Refer to Figure 13.8. If the government regulates Armstrong Cable so they can earn only a normal return, the price would be set at

28)

27)

- A) \$12.00.
- B) \$12.50.
- C) \$13.00.
- D) \$16.00.

29) Perfect price discrimination

29)

- A) is charging different prices to different buyers.
- B) can eliminate the deadweight loss to society of a monopoly.
- C) is an attempt by monopolists to capture consumer surplus as profit.
- D) do all of the above.

30) An industry that realizes such large economies of so		30)			
production of that good or service is most efficient i					
A) patent	B) fixed cost				
C) economies of scale	D) natural				
31) The feature that distinguishes monopolistic compet	ition from perfect competition is that	31)			
monopolistically competitive firms are					
A) price takers.	B) large relative to the market.				
C) able to block the entry of other firms.	D) able to differentiate their products.				
32) Products may be homogeneous or differentiated in	the market structure.	32)			
 A) monopolistically competitive 	B) monopolistic				
C) oligopolistic	D) perfectly competitive				
33) Oligopoly is difficult to analyze because		33)			
A) price is NOT a decision variable for oligopolis	stic firms.	, <u> </u>			
B) of the complex interdependence that usually					
C) there is no price competition among oligopoli	istic firms.				
D) there is price competition among oligopolistic	c firms but no competition on product quality.				
34) The four largest firms account for approximately 90% of the cigarette sales. The cigarette industry					
would be best classified as a(n)		-			
A) oligopoly.	B) monopolistically competitive industry.				
C) monopoly.	D) perfectly competitive industry.				
35) The market structure in which the behavior of any g	given firm depends on the behavior of the other	35)			
firms in the industry is	- -				
A) monopolistic competition.	B) perfect competition.				
C) monopoly.	D) oligopoly.				
36) The major distinguishing characteristic of oligopoly	is that	36)			
A) firms are interdependent.					
B) firms can influence the price of their product.					
C) entry into the industry is easy.					
D) firms produce differentiated products.					
37) A price-and-quantity-fixing agreement is known a	ns	37)			
A) game theory.	B) price leadership.	,			
C) price concentration.	D) collusion.				