MULTIPLE CHOICE. Choose the one alternative that best com	pletes the statement or answers the question.	
1) Welfare economics	1)	
A) only looks at the poorest parts of the economy	′.	
B) examines the social desirability of alternative of	economic states.	
C) does not depend on market interactions.		
D) uses only concepts of efficiency to evaluate the	e alternatives.	
2) The absolute value of the slope of the production po	ossibilities curve is the 2)	
A) offer curve. B)	marginal rate of transformation.	
C) contract curve. D)	marginal rate of substitution.	
3) The marginal rate of substitution is	3)	
A) the slope of the utility possibilities curve.		
B) the slope of the indifference curve.		
C) the slope of the contract curve.		
D) none of these answers is correct.		
4) The First Fundamental Theorem of Welfare Econor	mics requires 4)	
A) that a market exists for each and every commo	odity.	
B) that no one has any market power.		
C) producers and consumers to act as perfect com	npetitors.	
D) all of these answers are correct.		
5) Points outside the production possibilities curve are	e 5)	
A) producible. B)	unattainable.	
C) consumer equilibrium points. D)	endowment points.	
6) Market failure can occur when	6)	
A) a market for a commodity does not exist.		
B) individuals can influence prices.		
C) some firms have market power.		
D) all of these answers are correct.		
7) A public good is	7)	
A) a good that the public must pay for.		
B) nonexcludable and nonrival in consumption.		
C) always provided by the government.		
D) excludable and rival in consumption.		
8) Merit goods	8)	
A) increase in costs as demand increases.		
B) should be provided even if there is no demand	for them.	
C) are provided for those who are well behaved a	nd earn them.	
D) none of these answers is correct.		
9) A social welfare function	9)	
A) is a function that shows that the utilities of soc	ciety are incorporated into society's	
well-being.		

<ul><li>B) can never be derived numer</li><li>C) is a function made by the D</li><li>D) all of these answers are cor</li></ul>	rically. Department of W rect.	Velfare.		
10) Movement from an inefficient a will	llocation to an e	efficient allocat	ion in the Edgeworth Box	10)
A) increase the utility of all in	dividuals.			
C) increase the utility of all in	ndividuals.	annot decrease	the utility of any	
individual. D) increase the utility of at lea another person.	st one individua	al, but may deci	rease the level of utility of	
11) Points on the utility possibilities	curve are			11)
<ul><li>A) inefficient.</li><li>C) Pareto efficient.</li></ul>		B) points of in D) not product	complete preferences.	
12) The Edgeworth Box should				12)
A) never touch the production B) lie partially inside the prod	possibilities cu uction possibilit	rve. ties curve.		
C) lie completely outside of th	e production po	ossibilities curv	e.	
		· ·		10)
<ul><li>13) Pareto efficient points in the Edg</li><li>A) found when one person car worse off</li></ul>	geworth Box are not be made be	e tter off without	making another person	13)
B) found when MRS are equal	l.			
D) all of these answers are cor	rves are tangen rect.	ι.		
14) According to the Second Fundar	mental Theorem	n of Welfare Ec	onomics,	14)
A) production must be twice a B) equity cannot be achieved y	s large as consu without inhibitii	mption.		
C) society can attain any Paret	to efficient alloc	cation of resour	ces.	
15) Welfare economics is concerned states.	l with individua	l desirability of	alternative economic	15)
A) True	B) False		C) Uncertain	
16) The contract curve is the collect	ion of points wh	nere indifferenc	e curves are tangent in the	16)
A) True	B) False		C) Uncertain	
17) The utility possibilities curve is	derived from th	e contract curv	e.	17)
A) True	B) False		C) Uncertain	
18) When the First Fundamental Th	eorem of Welfa	re Economics d	loesn't hold, there is a	18)
A) True	B) False		C) Uncertain	

19) An example of an activity that generates an externality is pursuing a graduate degree in economics			19) _
A) True	B) False	C) Uncertain	
20) Social indifference cur	eves are the same as a social we	elfare function.	20)
A) True	B) False	C) Uncertain	/
21) A utility possibilities c	curve need not incorporate the u	utility of every individual.	21)
A) True	B) False	C) Uncertain	,
22) For Pareto efficiency,	the MRT should not equal the ]	MRS of all individuals.	22)
A) True	B) False	C) Uncertain	,
23) The government must maximizing point.	intervene in markets in order to	o move the economy to the welfare	23) _
A) True	B) False	C) Uncertain	
24) There is only one Pare	to efficient point on the contract	ct curve.	24)
A) True	B) False	C) Uncertain	/
25) Marginal cost is the in	cremental production cost of or	ne more unit of output.	25)
A) True	B) False	C) Uncertain	/
26) Pareto improvement c	an be a reallocation of resource	es that makes more than one person	26) _
better off.			

There are only two goods to be consumed in the economy, Beer and Pretzels. The total amount of Beer is 12 units. The total amount of Pretzels is 12 units. Answer the following: Suppose Mr. Cortopassi has utility for the two goods characterized as U (B,P) = B + P. Ms. Thomas's utility C function is U (B,P) = B + P. Identify the points that are Pareto efficient.

Т

28) Imagine a simple economy with only two people, Leroy and Percy. If the social welfare function is W = U + U, and the utility possibilities curve is UPF = U + 2U, what will be the societal L P L Poptimum?



29)

3 2

If James has an indifference curve characterized by the function of U = 2X Y, what is his marginal rate of substitution between goods X and Y?

- 30) Consider a simple exchange economy where the marginal rate of transformation between two goods is greater than the marginal rate of substitution for the same goods. Can the Pareto equilibrium be derived?
- 31) Suppose that a competitive firm's marginal cost of producing output q is given by MC = 5 + 2q. Assume that the market price of the firm's product is \$27. What level of output will the firm produce?
- 32) Social welfare functions can be formed in many ways. They can be additive, meaning that the all utilities are added together. They can incorporate the idea of maximin, meaning that the utility of the person with the least is maximized. If you were a central planner for an economy, what type of social welfare function would you create?
- 33) Merit goods have been discussed towards the end of this chapter. Can concerts and other publicly provided services be rationalized using these ideas?
- 34) Why might asymmetric information contribute to the problem of a market failure?

- 1) B
- 2) B
- 3) B
- 4) D
- 5) B
- 6) D
- 7) B 8) B
- 9) A
- 10) D
- 11) C
- 12) D
- 13) D
- 14) C
- 15) B
- 16) A
- 17) A
- 18) A
- 19) A
- 20) A
- 21) A
- 22) B
- 23) B
- 24) B
- 25) A
- 26) A
- 27) Since the MRSs of the two are equal at every point in the Edgewood Box, every point is Pareto efficient.
- 28) The optimum would be a corner solution found the same way as if goods were perfect substitutes. Percy receives none, and all goes to Leroy.
- 29) To find the MRSs, take the partial derivative of the function with respect to X and divide it by the partial derivative with respect to Y, which yields (3/2) \* (Y/X).
- 30) It is possible to pick points along the production possibilities curve that have an MRT that matches the equilibrium set of MRS. Mathematically, it can be very difficult and sometimes impossible to find.
- 31) MC = P so 27 = 5 + 2q, then  $q^* = 11$ .
- 32) Answers will vary, but generally you need a social welfare function that incorporates some collectively agreed upon notion of fairness. It must also be a function that can be implemented without causing undue stress on citizens or the economy.
- 33) Yes, they fit the definition of a merit good, but no judgment should be made concerning the efficiency of such endeavours.
- 34) One of the underlying tenets of economics is complete and free flowing information. Without such information, one side of a transaction could gain an unfair advantage, making free exchange impossible.