Economics Global 1st Edition Acemoglu Test Bank

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Jame				
MULTIPLE CHOICE. Choose th	ne one alternative that b	pest completes the stateme	ent or answers the questic	on.
B) A street gang is nC) All economic age	statements is true? irks work is not an econ ot an economic agent. nts are necessarily indiv an example of an econo	viduals.		1) _
B) Resources for wh C) Resources for wh	n only be distributed effich the quantity that pe	ficiently by the governmer ople want exceeds the qua ded is the same for all ecor	ntity that is freely availabl	2) _ e
 Which of the following A) Petroleum 	is NOT a scarce resource B) Gold	ce? C) Pollution	D) iPhones	3) _
Answer: C				
B) having more wan C) sellers setting the	he use of limited inform ts than the amount of a	nation. vailable resources. s too high for people to be a	able to afford them.	4) _
Allower. D				
B) Gold is not a scar C) If a scarce resource	at there is an imbalance ce resource. ce is given away for free	e between unlimited resource, everyone will be able to examples of scarce goods.	consume it.	5) _
B) solely on the basi C) by random select	choices made by other s of tastes and preference	economic agents. ces for various options.		6) _
Answer: D				
B) the mental function C) the problems rela	se to allocate scarce reso ons and behavior of ind ted to existence and evo		-	7) _

8) Economics is primarily	the study of:			8)
B) events of the pas C) agents' choices a	nd their impact on society	ffect present human behavio		
Answer: C	-			
9) economics is that can be verified wi		ojective descriptions or pred	ictions about the world	9)
A) Normative Answer: B	B) Positive	C) Marginal	D) Negative	
B) Higher interest rC) The pricing police	g is an example of a position of the most serious econorates will encourage more lies of monopolies should a more harmful than infla	nic problems. savings. be strictly supervised.		10)
11) Which of the following	g is an example of a positi	ve economic statement?		11)
B) Eliminating pove C) An increase in in	should ideally work as a erty is more important tha come causes an increase i most useful social science	an reducing inflation. n savings.		
Answer: C				
12) economics p	rescribes what an individu B) Negative	ual or society ought to do. C) Positive	D) Normative	12)
Answer: D				
A) A relaxation in irB) An increase in soC) An increase in su	nport duties will encoura icial security benefits will ibsidies to farmers will bo	increase the welfare of all ecost agricultural production.	conomic agents.	13)
D) A cut in the tax r Answer: B	ate will lead to an increas	e in consumption.		
	g is an example of a norm	ative economic statement?		14)
A) An increase in thB) An increase in inC) An increase in go	e money supply will lead come is accompanied by	to an increase in the inflatic an increase in consumption. ill lead to an increase in wel		, <u> </u>
Answer: C				
B) Normative econoC) Normative stater	g statements is true? cs deals with issues that a omic statements can be co nents depend on persona cs recommends what peo	nfirmed or disproven. I preferences.		15)

16) Which of the following statements correctly	differentiates between positive and normative	16)
be applied to both microeconomics an B) Positive economics is based on judgme C) Positive economics is descriptive, whe	ents, whereas normative economics is not.	
describes what people actually do.		
Answer: C		
 17) Positive economics is descriptive because: A) it prescribes what an individual or soo B) it explains what has happened or prec C) its predictions cannot be verified with D) it is based on ethical judgments. 	licts what will happen.	17)
Answer: B		
18) Which of the following statements is true?A) Normative economics describes whatB) Normative economics is free from value	people actually do. ue judgments, tastes, and preferences of economic	18)
agents. C) Positive economics generates objective D) Positive economics describes what per Answer: C	e descriptions that can be verified with data. ople ought to do.	
_	ouseholds, governments, and firms make choices and on of resources, and the well-being of other agents. B) Monetary economics	19)
C) Microeconomics	D) Growth theory	
Answer: C		
20) Which of the following is an example of a to	ppic studied by microeconomists?	20)
A) Price determination by a firmC) Measures to combat inflation	B) National income calculationsD) Interest rate determination	
Answer: A		
21) Which of the following is an example of a to A) Economic growth as a means to allevia		21)
B) Aggregate demand and aggregate supC) Energy consumption by a firmD) Nationwide inflation rate		
Answer: C		
22) is the study of an economy as a w	nole.	22)
A) MacroeconomicsC) Microeconomics	B) Behavioral economicsD) Game theory	

Answer: A

23) Which of the following is an example of a topic st	udied by macroeconomists?	23)
 A) Price determination by a firm 	B) Aggregate demand in an economy	'
C) Utility maximization by a consumer	D) Decision making by a producer	
Answer: B		
24) Which of the following is an example of a topic st	udied by macroeconomists?	24)
A) Productivity of an agricultural farm	B) Savings of a single household	
C) Total output of an economy	D) Price determination by a monopolist	
Answer: C		
25) Which of the following statements is true?		25)
A) Macroeconomics studies how individuals m	nake choices.	-
B) Microeconomics is the study of an economy	as a whole.	
C) The study of the inflation rate is covered un	der microeconomics.	
D) The study of the unemployment rate is cover	ered under macroeconomics.	
Answer: D		
26) Which of the following statements correctly highl	ights the difference between microeconomics and	26)
macroeconomics?		
 A) Microeconomics describes what economic a 	=	
describes what economic agents ought to do		
B) Microeconomics is descriptive, whereas made	3	
	ve analysis, whereas macroeconomics primarily	
deals with normative analysis.		
-	he economy, whereas macroeconomics deals with	
aggregate economic performance.		
Answer: D		
07) TI		07)
27) The understanding of why an economy is contrac	ting during slowdowns and now to recommend	27)
appropriate policies is studied under:	D) agricultural aconomics	
A) microeconomics.C) international economics.	B) agricultural economics.D) macroeconomics.	
	D) macroeconomics.	
Answer: D		
20) Understanding the impact of earlier tayes on the	operate uses of individual bouseholds and firms	20)
28) Understanding the impact of carbon taxes on the is studied under:	eriergy usage of individual flouseriorus and fiffis	28)
A) financial economics.	B) microeconomics.	
C) fiscal economics.	D) macroeconomics.	
Answer: B	b) macrocconomics.	
Allswei: B		
29) The relationship between the unemployment rate	and inflation is studied under:	29)
A) macroeconomics.	B) international economics.	
C) microeconomics.	D) behavioral economics.	
Answer: A	,	
ALISANCI . W		
30) The relationship between a firm's advertising exp	enditure and its profit is studied under-	30)
A) public economics.	B) microeconomics.	
C) macroeconomics.	D) international economics.	
,	,	

KI A	INSWER.	write the word or phrase that best completes each statement or answers the quest	ion.
31)	Define ed	conomics. Who are economic agents?	31)
	Answer:	Economics is the study of how agents choose to allocate scarce resources and how these choices affect society. An economic agent is an individual or a group that makes choices.	
	What are	e scarce resources? Why are economic agents concerned with the allocation of ources?	32)
	Answer:	Scarce resources are resources for which the quantity that people want exceeds the quantity that is freely available. Economic agents need to satisfy their unlimited wants in a world of limited resources. This makes it important for them to understand how these scarce resources are to be used and distributed in order to optimize allocation.	
33)	Different	iate between positive and normative economics using examples.	33)
	Answer:	Positive economics is analysis that generates objective descriptions or predictions about the world that can be verified with data. It is analysis that describes what people actually do. "A 5% fall in the unemployment rate will lead to a 2% increase in the inflation rate" is an example of a positive economic statement. Normative economics, on the other hand, is analysis that prescribes what an individual or society ought to do. It is subjective and depends on personal preferences, tastes, attitudes, feelings, or ethical judgments. "Pollution in developing countries is one of the biggest global environmental problems" is an example of a normative economic statement.	1
34)	How doe	es microeconomics differ from macroeconomics?	34)
	Answer:	Microeconomics is the study of how individuals, households, firms, and governments make choices, and how those choices affect prices, the allocation of resources, and the well-being of other agents. On the other hand, macroeconomics is the study of the economy as a whole. The scope of macroeconomics extends to the study of economy-wide phenomena, like the growth rate of an economy, the nation-wide unemployment rate, or the inflation rate.	5
Y. V	Vrite you	r answer in the space provided or on a separate sheet of paper.	
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ESSA

35) Robert and Janet are discussing unemployment and inflation in their country. Robert, on the basis of a recent newspaper report, claims that a 5% reduction in unemployment will lead to a 2% rise in inflation. On the other hand, Janet insists that inflation is a far bigger problem than unemployment and should be addressed with prime importance. Classify Robert's and Janet's statements as descriptive or advisory. Explain your answer.

Answer: Robert claims that a 5% reduction in unemployment will lead to a rise in a 2% in inflation. This statement represents predictions that can be verified with data. Therefore, Robert's approach is positive, which means it is an analysis of things as they are. Positive economics describes what has happened or predicts what will happen. The conclusion of his statement can be verified with data and is not subject to his tastes and preferences.

Janet claims that inflation is a far bigger problem than unemployment and should be addressed with prime importance. Janet's statement is normative. Normative economics is analysis that recommends what people ought to do. Unlike Robert's statement, Janet's belief that inflation is a bigger problem than unemployment is based on her values and/or ethical judgments. Therefore, while Robert's statement is descriptive in nature, Janet's statement is advisory.

- 36) Classify the following as positive economics statements or normative economics statements.
 - a) An increase in an individual's income increases consumption, but by an amount less than the increase in incr
 - b) The government should undertake the responsibility of providing healthcare to all its citizens.
 - c) A negative current account deficit can be advantageous to an economy.
 - d) An increase in net exports has a positive effect on a country's national income.
 - e) The gross domestic product of India is increasing at 5% annually.

Answer: The statements can be classified as follows:

Answer: C

- a) An increase in an individual's income increases consumption, but by an amount less than the increase income: Positive economic statement
- b) The government should undertake the responsibility of providing healthcare to all its citizens: Norma economic statement
- c) A negative current account deficit can be advantageous to an economy: Normative economic stateme
- d) An increase in net exports has a positive effect on a country's national income: Positive economic statement
- e) The gross domestic product of India is increasing at 5% annually: Positive economic statement
- 37) a) A recent news report stated that the unemployment rate in the country Lithasia had increased from 10.2% to from 2003 to 2013 and that the government has adopted strict fiscal measures to expand employment. Would this be considered microeconomic or macroeconomic analysis?
 - b) Students in a class are discussing how a monopolist should determine his profit-maximizing output. Would discussion be considered microeconomic or macroeconomic analysis?
 - Answer: a) This report will pertain to macroeconomics. Macroeconomics refers to the study of an economy as a w Macroeconomics covers economy-wide phenomena, like the growth rate of a country's total economic output, the inflation rate, or the unemployment rate. The report suggests that the total unemployment rate in Lithasia has increased from 10.2% to 18.2% from 2003 to 2013. This estimation is a measure of the economy-wide aggregate unemployment, and is covered under macroeconomics.
 - b) Microeconomics is the study of how individuals, households, firms, and governments make choices. I students are discussing how a single monopolist should determine its profit-maximizing output. This is a discussion of an individual entity and so is considered microeconomic analysis.

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question. 38) Which of the following correctly defines the term "equilibrium"? 38) A) It refers to analysis that uses data to arrive at conclusions. B) It refers to a situation where all agents are simultaneously optimizing. C) It refers to government intervention that efficiently allocates scarce resources. D) It refers to an optimizing decision made by an individual economic agent. Answer: B 39) Which of the following best describes equilibrium? A) A situation where only one individual or firm takes an optimum decision B) A situation where economic agents do not optimize as they do not have perfect information C) A situation where no economic agent would benefit by changing his or her behavior D) A situation where the government intervenes to allocate resources Answer: C 40) 40) Empiricism is analysis that uses _____ to test theories. A) illustrations B) value judgments C) data D) philosophy

	41) Which of the following is N	• • •	economics?		41)	
	A) Equilibrium	B) Optimization	C) Substitution	D) Empiricism		
	Answer: C					
SHO	RT ANSWER. Write the word	or phrase that best cor	mpletes each statement or	answers the question.		
	42) Define the three key princi	ples of economics.		42)		
	b) Equilibrium: E optimizing, so tha c) Empiricism: Er	ven the available infor quilibrium is a special at nobody would bene mpiricism is analysis t		is simultaneously his or her behavior uses data to test		
MUL	TIPLE CHOICE. Choose the or	ne alternative that bes	t completes the statement	or answers the question.		
	43) Which of the following stat	ements is true of optir	mization?		43)	
	B) Economic agents who information that theyC) Economic agents can and benefits.	o optimize attempt to o have. optimize only when th	nancial budget of an econo choose the best feasible op they are able to perfectly es costs when choosing the m	tion, given the	_	
	44) Fassible autions are aution				4.4\	
	44) Feasible options are optionA) that are available andC) that are optimal for a	affordable.	B) that are affordabl D) that are available		44) _	
	Answer: A					
	45) A consumer has \$40 that he a cell phone that costs \$150 the following is a feasible of A) The cell phone C) The Bluetooth speake	, a book that costs \$10, option for the consume	, and a Bluetooth speaker t		45) _	
	Answer: B		_,			
	46) A decision or a choice that A) has zero opportunity B) cannot be justified us C) is not necessarily risk D) is the same for all ind	cost. ing normative analysis free.	-		46) _	
	Answer: C					
	B) An optimizing indivi	that is available, the ead dual is also likely to ead dual need not conside	r the risks involved in vari		47) _	

48) Which of the following statements is true?A) The principle of optimization is only accurate when it comes to making monetary decisions.B) It is not necessary to consider the risks of a particular alternative while making an optimal decision.	48)
C) Rational economic agents maximize more than just monetary income. D) An individual does not require information to make optimal decisions.	
Answer: C	
 49) Which of the following correctly identifies the trade-off that a budget constraint represents? A) The amount of income that must be given up to obtain an additional unit of a good B) The optimum combination of goods that a consumer with a given income should purchase C) The maximum amount of two goods that a consumer can purchase given his income D) The amount of one good that has to be given up to purchase an additional unit of the other good 	49)
Answer: D	
50) A budget constraint represents the:	50)
 A) goods and services an economic agent can choose given her limited income. B) aggregate income earned by all the firms in an economy. C) total money income that an agent earns in different time periods. D) inequality in the incomes earned by various economic agents. Answer: A 	
 51) Which of the following statements is true? A) A budget constraint is a function of the income of the consumer and not the prices of the goods and services available for consumption. B) A budget constraint is based on the minimum amount of money that an economic agent can spend on goods and services. C) A budget constraint quantifies the trade-offs that economic agents face while making decisions. D) A budget constraint is the same for a consumer at all levels of income. 	51)
Answer: C	
 52) A consumer has \$20 that he wants to spend on two goods: pens priced at \$2 each, and pencils priced at \$1 each. Which of the following correctly represents his budget constraint? A) \$20 = (\$2/Quantity of pens) + (\$1/Quantity of pencils) B) \$20 = (\$3/Quantity of pens + Quantity of pencils) C) \$20 = \$3 × (Quantity of pens - Quantity of pencils) D) \$20 = (\$2 × Quantity of pens) + (\$1 × Quantity of pencils) Answer: D 	52)
53) An individual has 8 hours to spare. He has to divide his time between two activities: reading and	53)
writing. Which of the following allocations will exactly satisfy the individual's budget constraint? A) 4 hours of reading and 6 hours of writing C) 2 hours of reading and 2 hours of writing D) 3 hours of reading and 4 hours of writing	ooj

54)	A consumer has \$50 to sper				54)
	each and DVDs priced at \$1	10 each. Which of the fo	ollowing combinations of t	he two goods will	
	exactly satisfy his budget co	onstraint?			
	A) 3 magazines and 4 D\	/Ds	B) 2 magazines and 2	DVDs	
	C) 6 magazines and 1 D\	/ D	D) 2 magazines and 4	DVDs	
	Answer: D				
55)	Which of the following state	ements is true?			55)
	 A) A trade-off refers to the or mutual exchange. 	ne exchange of goods b	oetween economic agents th	nrough a barter system	
	B) A rational consumer r	makes his decisions de	pending on what the major	rity chooses.	
	C) A budget constraint is two goods.	s an economic tool that	quantifies the trade-off be	tween consumption of	
	D) All rational economic	agents attempt to max	imize their income.		
	Answer: C				
56)	The best alternative use of a	a resource is referred to	as its:		56)
	A) opportunity cost.		B) sunk cost.		
	C) marginal utility.		D) market price.		
	Answer: A				
57)	A student has two options: her \$20 per hour. What is the		•		57)
	A) \$100	B) \$50	C) \$20	D) \$4	
	Answer: A				
58)	John has to choose between	n two jobs: one that offe	ers him \$50 per hour and o	ne that offers him \$35	58)
	per hour. The opportunity	cost of choosing the job	that offers him \$50 per ho	ur is:	
	A) \$35 per hour.	B) \$85 per hour.	C) \$1.5 per hour.	D) \$15 per hour.	
	Answer: A				
59)	is a calculation the	at adds up costs and be	enefits using a common un	it of measurement, like	59)
	dollar values.				
	 A) Budget constraint ana 	•	B) Revenue-income a	•	
	C) Expenditure-income	analysis	D) Cost-benefit analy	sis	
	Answer: D				
60)	Cost-benefit analysis requi	res:			60)
	A) all costs and benefits t	to be measured in the s	same unit.		
	B) evaluating the budget		_		
	C) choosing the alternati				
	D) that the risks associate	ed with different altern	natives are ignored.		

Answer: A

61) Suppose that Jinelle, an en	gineer, has to choose be	tween two jobs. Which of	the following	61)
	statements is true?				
		-	nsider the wage attributes	and ignore the	
	non-wage attributes	-			
		een both jobs, she shoul	d consider both wage and	non-wage attributes of	
	each job.	oon labo aha ahauldanla	ly foous on the honofite fre	om and inh and inners	
	the costs.	een jobs, she should on	y focus on the benefits fro	om each job and ignore	
		een inhs, she should for	us only on the costs of eac	ch ioh and ignore the	
	benefits.	cerr jobs, sine should roc	as only on the costs of cat	or job and ignore the	
	Answer: B				
62) The net benefit of a particu	ılar alternative equals:			62)
	A) the benefits received alternative.	from the alternative div	vided by the costs incurre	d in choosing the	
	B) the costs incurred in alternative.	choosing the alternative	e divided by the benefits r	received from the	
		from the alternative mi	nus the costs incurred in a	choosing the alternative.	
	D) the benefits received	from the alternative plu	us the costs incurred in ch	oosing the alternative.	
	Answer: C				
63) Out of a set of feasible alte				63)
	A) lowest total cost, rega	ardless of benefit.		fit, regardless of cost.	
	C) highest net benefit.		D) highest opportun	ity cost.	
	Answer: C				
64) If a particular choice that a	n individual faces gives	s him a benefit of \$20 but	costs \$30, the net benefit	64)
	from making this choice ed	_		·	, <u> </u>
	A) -\$30.	B) -\$10.	C) \$20.	D) \$10.	
	Answer: B				
) IC ' I C				(5)
65) If a job pays a wage of \$50	per nour, but has a non	i-wage cost valued at \$20	per nour, the net benefit	65)
	of taking the job equals: A) \$2.5 per hour.	B) \$30 per hour.	C) \$70 per hour.	D) \$20 per hour.	
	,	b) \$30 per flour.	C) \$70 per riour.	D) \$20 per riour.	
	Answer: B				
Scenario:	Maria has to choose betwee	n driving and taking a	train to destination A. Tra	velling by train will cost l	her \$400 and
	4 hours. Driving to destinat			0 0	
cost of tir	me is \$15 per hour.				
66) Refer to the scenario above			_	66)
	A) \$420	B) \$460	C) \$60	D) \$400	
	Answer: B				
67) Refer to the scenario above	e. If Maria borrows her	parents' car and pays for o	only the gasoline, what	67)
37	is her total cost of driving t			j and gassimo, what	
	A) \$340	B) \$250	C) \$90	D) \$300	
	Answer: A				

68	 8) Refer to the scenario above A) travel by train, as it will give B) drive, as it will give C) travel by train, becau D) drive, as it will save 	vill save her \$30 in her a real saving of ıse it is quicker.	travel time.		68)	
	Answer: D					
69	9) Refer to the scenario above involved in taking the train	• •	unity cost of time increases to \$	680 per hour, the cost	69)	
	A) \$800.	B) \$720.	C) \$970.	D) \$320.		
	Answer: B					
70	Refer to the scenario above driving to destination A is		unity cost of time increases to \$	80 per hour, the cost of	70)	
	A) \$800.	B) \$480.	C) \$730.	D) \$970.		
	Answer: C					
7	1) Refer to the scenario above	e. If the opportunity	y cost of time increases to \$80 p	er hour, which of the	71)	
	A) Maria should choose B) Maria should choose C) Maria should choose D) Maria should choose Answer: A	to drive as it saves to drive as it saves	her \$10. her \$150.			
7:	C) The net benefit of an	agent is not likely t s can also be used fo option that costs \$5	o optimize. or normative economic analysi 50 and provides a benefit of \$1 same result as optimization ar	00 is equal to \$150.	72)	
7:		can only be used w hampers optimal d implies that leisure	ith normative choices.	S.	73)	
	Allswei. D					
SHORT	ANSWER. Write the word	or phrase that best	completes each statement or	answers the question.		
7	4) Why do trade-offs occur?	How are budget cor	nstraints related to trade-offs?	74)		
	with limited reso in order to gain s trade-offs that ar	ources. Therefore, in come other benefits. a economic agent fac	economic agents need to satis most cases, some benefits have Budget constraints quantify the ces. Once trade-offs are quantionwing the individual to make a	e to be given up ne relevant fied, rational		

decision.

75)	-	oportunity cost. A student who has just graduated from college has three job e first job pays him \$35,000 a year, the second job pays him \$23,000 a year, and the	75)	
	third one job?	pays him \$15,000 a year. What is the student's opportunity cost of taking the first		
	Answer:	Opportunity cost is the best alternative use of a resource. It is what an economic agent is giving up when he chooses a particular option. If the individual decides to take the first job; he will earn \$35,000 a year. The opportunity cost of taking this job is the next best offer that he could have taken up. Therefore, the opportunity cost of the first job is \$23,000 a year.		
76)		ost-benefit analysis? What are the steps involved in using cost-benefit analysis to optimal choice?	76)	
	Answer:	Cost-benefit analysis is a calculation that adds up the costs and benefits of a particular choice using a common unit of measurement. It involves the conversion of all costs and benefits into a common unit of measurement so that they can be compared. The difference between the benefits and costs of choosing an alternative is referred to as the net benefit of the alternative. The alternative with the highest net benefit is the optimal choice.		
77)			77)	
	classes w hand, the	take art classes or can sign up for French cooking classes. He estimates that the art rould cost him \$70, and would provide him with a benefit of \$100. On the other ecooking classes would cost him \$120, but provide him benefits worth \$160. Use efit analysis to arrive at the optimum choice for Kevin.		
	Answer:	Kevin's optimal choice would depend on the net benefits of both options. Net benefit of taking up art classes = \$100 - \$70 = \$30 Net benefit of taking up cooking classes = \$160 - \$120 = \$40 Therefore, given the costs and benefits involved, Kevin should sign up for the French cooking classes rather than the art classes.		
78)	hour, wh	pends 4 hours a day on Facebook and the minimum wage in his country is \$7 per at is his opportunity cost of spending time on Facebook? Given that spending facebook has an opportunity cost, does this analysis suggest that Tom should ner than spending his time on social networking?	78)	
		Opportunity cost refers to the best alternative use of a resource. In this case, the resource is time. So, if Tom decided to work instead of spending time on Facebook, he would earn \$7 every hour. Therefore, Tom's opportunity cost of spending time on Facebook is equal to $7 \times 4 = \$28$. No, economic analysis does not dictate choices. Economics would not tell Tom what to do; it will only help him identify the trade-offs that he is making in his decisions. Whether Tom chooses to work or spend time on Facebook is a normative choice that Tom should make based on costs and benefits		

ESSAY. Write your answer in the space provided or on a separate sheet of paper.

79) A consumer has a monthly income of \$100 that he wants to spend on two goods: rugs priced at \$10 and chairs priced at \$5. What is the consumer's opportunity cost of buying a rug? What is his opportunity cost of buying a chair? Use a table to represent the consumer's budget constraint.

Answer: Opportunity cost is the best alternative use of a resource. Buying one rug costs \$10, and each chair costs \$5. So, one rug can be purchased with the same amount of money used to buy two chairs. Therefore, the opportunity cost of buying a rug is 2 chairs. Similarly, the opportunity cost of buying a chair is half a rug. The consumer's budget constraint is given by:

 $100 = 10 \times (Quantity of rugs) + 5 \times (Quantity of chairs)$

The following table shows the various combinations of rugs and chairs that the consumer can buy with \$100.

Budget	Quantity of Rugs	Quantity of Chairs
100	10	0
100	9	2
100	8	4
100	7	6
100	6	8
100	5	10
100	4	12
100	3	14
100	2	16
100	1	18
100	0	20

- 80) a) Sam pays \$600 for 30 days of guitar classes. He attends an hour-long class every day. If, instead of attending class, he works at a part-time job, he would be paid \$5 an hour. Or, he could work at a fast-food outlet and earn \$9 per hour. Once he has already paid a nonrefundable fee of \$600 to enroll in the class, what is his opportunity cost of attending each hour of class?
 - b) Suppose workers decide to work more and consume less leisure when their hourly wage rate increases. Wha explain this behavior?

Answer: a) Sam's opportunity cost will measure the next best use of an hour of his time plus the hourly cost of guiclasses. Once he pays the nonrefundable \$600, there is no other cost other than the value of his time. With hour of time, he has two options: work for \$5 per hour, or work for \$9 per hour. Therefore, the next best us an hour that Sam spends on guitar classes is equal to the \$9 he could have earned per hour by working at a fast-food outlet. Sam's opportunity cost of attending his guitar classes is \$9 per hour.

b) With an increase in their hourly wage rates, workers work more and consume less leisure due to a cha their opportunity cost. Assuming that the initial wage of an employee is \$10 per hour, the opportunity cos hour of rest or leisure is \$10 per hour. Now, if the wage rate increases from \$10 to \$20 per hour, the opport cost of one hour of rest or leisure also increases to \$20 per hour. Therefore, taking an hour of rest becomes more expensive for employees and they tend to work more than they used to.

81) Wendy has to decide between taking a flight and driving to California. Air tickets cost \$800 and will get her to California in 2 hours. If she decides to drive, she would need \$300 worth of gasoline and 10 hours to reach her destination. Suppose that Wendy's opportunity cost of time is \$20 per hour. Assuming that there are no other costs involved, use cost-benefit analysis to decide whether she should fly or drive to California. If Wendy has an important business meeting to attend and this increases her opportunity cost of time to \$200 per hour, will her optimum decision change? Explain.

Answer: Cost-benefit analysis is a calculation that adds up costs and benefits using a common unit of measurement. It is used to identify the alternative that has the greatest net benefit, which is equivalent to benefits minus costs.

If Wendy decides to drive down instead of flying, she saves (\$800 - \$300) = \$500. But driving down to California takes an additional 8 hours of travelling time.

Therefore, the net benefit of driving relative to flying = (\$500 cost saving) - $(\$ \text{ hours of additional travelling time}) \times (\$20/\text{hour}) = \$500 - \$160 = \$340$.

Because the net benefit of driving is positive, driving to California is an optimum choice for Wendy when the opportunity cost of time is \$20 per hour.

If the opportunity cost of time changes, the net benefit of driving relative to flying will also change. Net benefit of driving relative to flying when the opportunity cost of time is \$200 per hour = (\$500 cost saving) - (\$600 hours of additional travelling time) × (\$200/hour) = \$500 - \$1,600 = -\$1,100.

Because the net benefit of driving relative to flying is negative, flying to California is an optimum choice for Wendy when the opportunity cost of time is \$200 per hour.

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

D) no economic agent will want to change his or her behavior.

Answer: D

 82) Which of the following statements is true of equilibrium? A) Each economic agent can reach equilibrium irrespective of the actions of others. B) In equilibrium, all economic agents are choosing the best feasible option simultaneously. C) Economic agents have an incentive to divert from equilibrium. D) In equilibrium, the opportunity cost of the choices made by each economic agent is zero. Answer: B 	82)
 83) Which of the following will hold true if the market for cameras is in equilibrium at a price of \$40? A) If the cost of producing cameras falls below \$40 per camera, all sellers will stop supplying cameras. B) Sellers of cameras will have an incentive to charge a price higher than \$40. C) Buyers of cameras will want to buy fewer cameras than they are purchasing at equilibrium. D) The quantity of cameras produced will equal the quantity of cameras bought in the market. Answer: D 	83)
 84) When the market for a commodity is in equilibrium: A) all buyers of the commodity will want to change their behavior. B) there will still be some unsold stock of the commodity. C) all sellers of the commodity will want to change their behavior. 	84)

85) Which of the following is true of equilibrium?	85)
 A) Equilibrium refers to a situation where the government allocates resources among economic agents. 	
B) Equilibrium refers to a situation where an economic agent can be made better off without making anyone else worse off.	
C) Equilibrium refers to a situation where all economic agents are making sub-optimal choices and have an incentive to change behavior.	
 Equilibrium refers to a situation where all economic agents simultaneously optimize after considering each other's actions. 	
Answer: D	
86) The term "free riders" refers to people who:A) selflessly pay for others' consumption of goods and services.	86)
B) haggle over the prices of the goods and services that they buy.C) don't contribute but still benefit from others' actions.D) make economic decisions randomly and are not rational.	
Answer: C	
87) Which of the following is an example of free riding?	87)
 A) A tax payer who exercises in the public park near his house B) A consumer who buys his groceries from a nearby store C) An individual who sneaks inside a music concert D) A club member who makes voluntary contributions to the club 	
Answer: C	
88) Which of the following is an example of free riding? A) An individual who buys a ticket for a baseball match B) A tax evader enjoying national security C) A consumer paying for pollution control D) A housekeeper cleaning a house	88)
Answer: B	
89) Each member in a group might do what's best for himself or herself instead of behaving in a way	89)
that optimizes the well-being of the entire group. This gives rise to the problem of: A) disequilibrium. B) free riding. C) Pareto inefficiency. D) irrational behavior.	
Answer: B	
90) Which of the following statements is true of free riding?	90)
A) Free riding does not impose a cost on society.B) Free riding is easy to detect and punish.C) Free riding reduces with social pressure.D) Free riding is not affected by incentives.	

Answer: C

91)	Assume	that a house is reflied by four student	s. When it comes to keeping the house clean, each	101 91)	
	the four r	roommates has an incentive to leave o	leaning to the others. As a result, the house is nev	er	
	clean. Wh	nich of the following is the best soluti	on to this problem of free riding?		
	A) Rec	uire every roommate to contribute to	a cleaning service		
	B) Rec	juire each roommate to pay more tow	ard the house rent and groceries		
	C) Ass	ign one roommate the responsibility	to keep a watch over the other students		
		s every roommate to clean the house i	·		
	Answer:	•			
SHORT A	ANSWER.	Write the word or phrase that best	completes each statement or answers the questic	on.	
92)		narket is in equilibrium, both buyers their behavior. Why?	and sellers do not perceive a benefit from 9	2)	
		decision is influenced by the decision equilibrium, each and every econom	ic agent is doing the best that they can do, given the actions of other economic agents.		
93)		the market for pizza slices is in equiling are likely to be satisfied in the pizza	·	3)	
		The conditions that are satisfied whe	n the market for pizza slices is in equilibrium		
			ufactured by sellers will equal the number of piza		
		slices purchased by buyers.b) Pizza sellers will produce pizzas or equal to the market price of \$1.	at the point where the cost of production is less		
		c) Buyers will consume pizza as lor	ng as the benefit that they derive from consumpt		
		at least equal to the market price of \$	1.		
94)	Explain t	he term "free riders."	9	4)	
		others undertake. Sometimes people contribute voluntarily to the public in	tribute but still benefit from the actions that pursue their own private interests and don't nterest, and this causes free riding. For example, but enjoy the same benefits enjoyed by tax		
MULTIPI	LE CHOIC	CE. Choose the one alternative that b	pest completes the statement or answers the que	stion.	
95)	Empiricis	sm refers to the process of:		95)	
	A) coll	ecting and organizing data.	B) measuring variables.		
	C) test	ing ideas using data.	D) making choices using values and belie	efs.	
	Answer:	С			
96)	\ \/\hich of	the following statements is true?		96)	
70)		a are not an integral part of optimiza	tion analysis	,,, <u> </u>	_
		piricism refers to the testing of ideas			
		a help establish whether theories ma			
		piricism is not an integral part of opti	itiizatioti ahaiysis.		
	Answer:	C			

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97) Which of the following statements is true of data?A) The less the available data, the better the analysis.B) Anecdotes work as good substitutes for data.	97)
C) Data are not important to evaluate theories.	
D) Data help in verifying causal relationships.	
Answer: D	
98) Which of the following statements is true?	98)
 A) Cost-benefit analysis can be applied only to limited economic decisions. 	
B) Economics is more of a theoretical subject with limited applications in the real world.	
C) Testing with data is essential to develop a good theory.	
D) Knowledge of economics complicates decision making.	
Answer: C	
99) Which of the following is a feature of a good theory?	99)
 A) A good theory cannot be tested with data. 	
B) A good theory is free from approximations.	
C) A good theory closely predicts actual behavior.	
D) A good theory does not rely on data.	
Answer: C	
SHORT ANSWER. Write the word or phrase that best completes each statement or answers the quest	ion.
100) What is the rationale behind empiricism in economic analysis?	100)
Answer: Empiricism refers to the use of data to test theoretical ideas or concepts. Empiricism is important as it enables economists to determine whether economic theories are consistent with actual human behavior. This enables economists to refute faulty theories or modify them such that they would better fit the real world. Empiricism also enables researchers to identify causal relationships between sets of variables.	
MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the qu	estion.
101) Which of the following statements is true?	101)
A) Economic reasoning tends to reduce the quality of decision making.	
B) Economics can be used to predict people's actions.	
C) Economics does not provide insights into human behavior.	
D) Economics is concerned with money, not choices.	