Birzeit University Economic Department

First Exam Eco 3311

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ALL MULTIPLE CHOICE ANSWERS MUST BE ON THIS SHEET FOR CREDIT

Point multiple choice:

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2	a	9. <u> </u>	16	b	23	CX	(\mathcal{X})
3	d	10. <u>d</u>	17.	a	24	Ь	
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5	d	12. <u> </u>	19	<u>bx</u>			
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7	bX	14. <u>d</u>	21	a			
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Question one(50 points) 1-The slope of the production possibility frontier shows how inputs must be changed to keep them fully employed. a. b. the technically efficient combinations of the two goods. how demanders are willing to trade one good for another. c. (đ.) the opportunity cost of one good in terms of the other. 2-Let $Q_p = -5P + 54$ and $Q_s = P - 6$. Equilibrium can be found at Q = 4; P = 10A) -5P + 54 = P - 6Q = 6; P = 10h. 6P=60 P = 6; Q = 0c. P = 10 $Q = \frac{54}{5}; P = 2$ d. 3-The difference between what a consumer is willing to pay for a unit of a good and what must be paid when actually buying it is called: Producer surplus. Ŧ b. Cost benefits analysis. С Net utility. đ. Consumer surplus. 4-Which of the following functional forms for utility suggests the greatest substitution effect when starting at the point where PX = PY unt à U = min(X, Y)a. U = X + Y(b) U = X1/2Y1/2c. $U = X1/4Y3/^{4}$ d. An increase in the technology used in the production of only one of the two goods in a society 5will eliminate scarcity a. move the production possibilities frontier out in all directions# b. move the production possibilities frontier in all directions leave one corner of the production possibilities frontier fixed and swing out from the other Suppose right (R) and left (L) shoes are only useful if produced in equal proportion and societal happiness is expressed as min(R,L). The contour lines would be downward sloping lines a. upward sloping lines b. L-shaped 10. backward L-shaped d. Demand functions are "homogeneous of degree zero in all prices and income." This means 7aproportional increase in all prices and income will leave quantities demanded unchanged. a. a doubling of all prices will not alter consumption decisions. t5?) prices directly enter individuals' utility functions. c. an increase in income will cause all quantities demanded to increase proportionately d.

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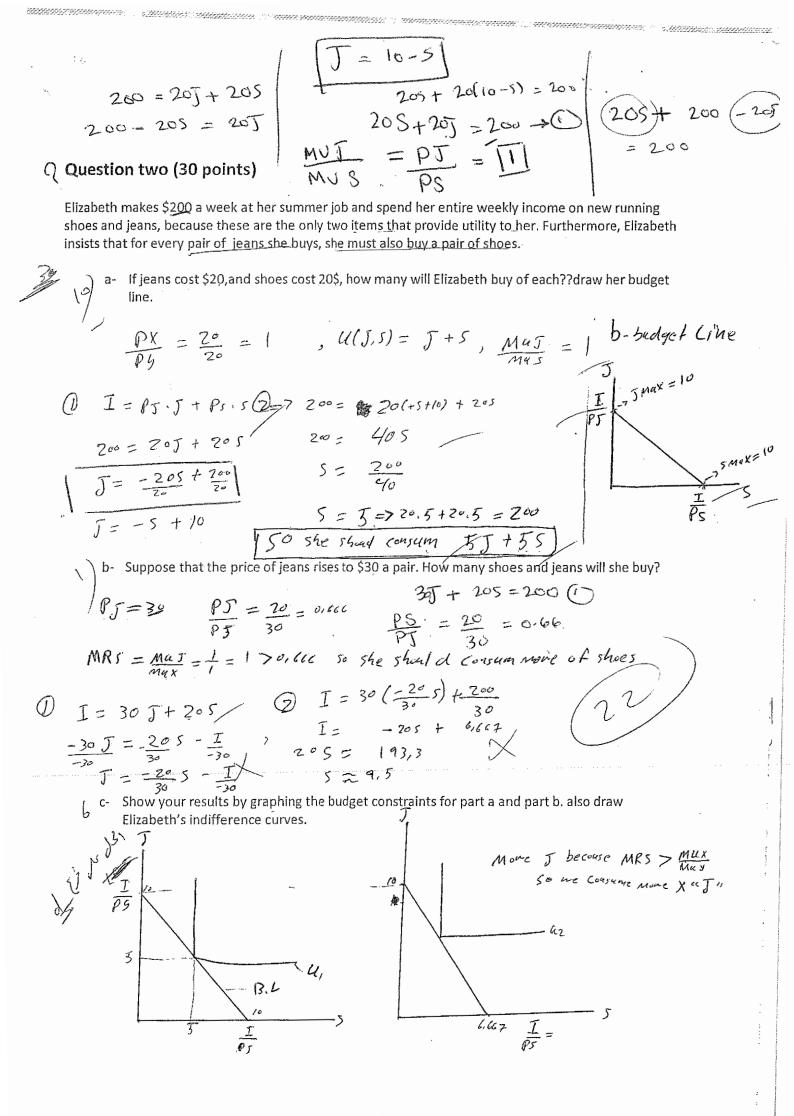
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1 8-The Ricardian notion that of diminishing returns implies that as more input is used more output will be made. a. b. as more input is used less output will bé made. as more input is used the increase in output will increase. Æ.) d. as more input is used the increase in output will decrease. Suppose an individual's MRS (of steak for beer) is 2:1. That is, at the current consumption choices he or she is willing to give up 2 beers to get an extra steak. Suppose also that the price of a steak is \$1 and a beer is 25¢. Then in order to increase utility the individual should buy more steak and less beer. buy more beer and less steak. 2S=B continue with current consumption plans. * Not enough information to answer the question. 3 =4 MRS= 10-Indifference curves are nonintersecting. a. are contour lines of a utility function. b. are negatively sloped. All of the above. 11- The point of tangency between a consumer's budget constraint and his or her indifference curve represents ā. complete satisfaction for the consumer. the equivalence of prices the consumer pays. b. Ō constrained utility maximization for the consumer. d. the least he or she can spend. mag of easy for B 12-An increase in an individual's income without changing relative prices will rotate the budget constraint about the X-axis. a. b. shift the indifference curves outward. MRS 32 54 shift the budget constraint outward in a parallel way.... R, d. rotate the budget constraint about the Y axis. 2 - 2 Juees 4 If an individual has a constant MRS of shoes for sneakers of 3/4 (that is, he or she is always Mu su willing to give up 3 pairs of sneakers to get 4 pairs of shoes) then, if sneakers and shoes are equally costly, he or she will ' Snew buy only sneakers. (a) buy only shoes. b. nu Sneak spend his or her income equally on sneakers and shoes. c. d. wear sneakers only 3/4 of the time. MU MUSLOEZ S.hoes_ 14-Suppose that at current consumption levels an individual's marginal utility of consuming an extra hot dog is 10 whereas the marginal utility of consuming an extra soft drink is 2. Then the MRS (of soft drinks for hot dogs)—that is, the number of hot dogs the individual is willing to give up to get one MUH = 10 K MUS = 2' more soft drink is (ā.) 5 MG 2 b. 1/2c. hotdoch My = My

ρυ d. 1/5PA TRU 15-If people like their goods in fixed proportions, the two goods are perfect substitutes X $\overline{2}$ perfect complements b. complements (but not perfect) c. substitutes (but not perfect) (D) 16-With only two goods, if the income effect is in the opposite direction as the substitution effect but the substitution effect(dominates then the good is No on > Roll normal inferior but not Giffen 53 MA - QdA => QdA Giffen 入 c. d. There is not enough information to answer. X The lump sum principle suggests that the tax that reduces utility the least is 17-(a.) a tax on income a tax on a good with many substitutes b. an equal tax per-unit on all goods c. a tax on a good with only a few substitutes d. The slope of the budget constraint line is(assume good y on the y-axis, good x on the x-axis) 18. the ratio of the prices (Px/Py). the negative of the ratio of the prices (Px/Py). Ъr the ratio of income divided by price of Y (I/Py). с. none of these. d. 81 Qd 1 >QJ 9 PJ => P. WA 19-If a good is inferior and its price decreases, the income effect will be positive and the substitution effect will be positive. a. the income effect will be negative and the substitution effect will be negative. X 6) Q. the income effect will be positive and the substitution effect will be negative. the income effect will be negative and the substitution effect will be positive If the prices of all goods increase by the same proportion as income, the quantity demanded of 20good X will decrease. a. increase. b. remain unchanged. B change in a way that cannot be determined from the information given. d. At any price, the market demand curve 21is flatter than the flattest individual demand curve. (a.) has a slope that is the average of the individual demand curve slopes. b. 5.8 P2 - Fad. 1 - 2023. 5.8 P2 - P. NT - 2023. 5.6 P2 - P. NT - 2023. is steeper than the steepest individual demand curve. c. has a horizontal intercept equal to the average of the individual demand curve horizontal d. intercepts.

22-If the income elasticity of demand is 0.5, the good is a luxury. ą. চি a normal good (but not a uxury) an inferior good. c. ` a Giffen good. d. pt a 23-If the demand for a product is elastic, then a rise in price will, Pi cause total spending on the good to increase. P1 cause total spending on the good to decrease. keep total spending the same, but reduce the quantity demanded. keep total spending the same, but increase the quantity demanded. If goods X and Y are complements, then the cross price elasticity of demand between them will 24be a. positive. (B.) negative. zero. c. infinity. d. Suppose a cup of coffee at the campus coffee shop is \$2,50 and a cup of hot tea is \$1.25. 25-Suppose a student's beverage budget is \$20 per week. What is the most cups of tea the student could buy? 20 a. epoish who tras 6 16 10 c. d. 8

ncome N



To what effect (income or substitution) do you attribute the change in utility levels between part a and part b. income efficit because these youds are complements, Sufrom point A to C = 7income efficit Ţ - BL 1" old" B.L2 36.0 Question three (20 points) bJ \bigcirc Assume two goods , X and y they are normal goods, show the effect of a decrease in the price of good x, on the following: (indifference curves, u1 and u2, budget lines BL1 and BL2, quantities of x &y, income effect and substitution effect) all this on the same graph. don't forget to show me your analysis.

does not intersect T.E old B.L P 15 As the price of X & the Parchasing power A so we will Good Luck consume now of X this is the Incom effect "on the graph from point B to C" and the subistitution efficit a cluss bigen then income efficient is to move in the same utility => from point A to B