Solution -

Econ 2016: Principles of Microeconomics

Homework 3 (Total score: 20 Points)

Due Date: Sept 7th, 12:40 PM

1. Multiple Choice (3 points)

A

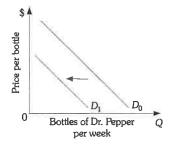
- 1. (1 point) What is the primary difference between income and wealth?
 - A. Income is a flow variable; wealth is a stock variable.
 - B. Income is the value of what a household owns minus its debt; wealth is a measure of net worth.
 - C. Income is earned by households; wealth is gained by inheritance.
 - D. Income reveals net worth; wealth is a stock variable.

B

- 2. (1 point) As an individual consumes more of a product within a given period of time, it is likely that each additional unit consumed will yield:
 - A. successively less satisfaction
 - B. successively more satisfaction
 - C. the same amount of satisfaction
 - D. less satisfaction for a while and then start to add more satisfaction

B

- 3. (1 point) Refer to Figure 1. Which of the following would be most likely to cause the demand for Dr. Pepper to shift from D_0 to D_1 ?
 - A. a decrease in income, assuming that Dr. Pepper is a normal good
 - B. an increase in the price of 7-UP, assuming 7-UP is a substitute for Dr.Pepper
 - C. a decrease in the price of Dr.Pepper
 - D. a reduction in the price of sugar used to make Dr. Pepper



2. Short Answer Questions (4 points):

- Please read the following four cases and answer questions.
 - 1. Streaming movies and movies shown in theaters are substitutes.
 - 2. Streaming movies and OLED TVs are complements.
 - 3. OLED TVs and movies shown in theaters are normal goods.

	4. People watch streaming movies more often in the winter than in the summer	
TV	ost OLED TVs sold in the United States are imported from Asia. If the United States government reduces e number of OLED TVs that can be imported into the United States, when all else equal, the price of OLED (Increase/Decrease); and the price of streaming movies would (Increase/Decrease). (2 points)	
(2)	Chestream	
3) Call The	le, the price of streaming movies would (Increase/Decrease); the price of movie tickets uld (Increase/Decrease); the price of movie tickets uld (Increase/Decrease). Countries of A and B are small nations. Both produce banana and apples. Each nation has a labor force of the price of A system worker in each country. Assume productivity	
18 0	onstant and identical for each worker in each country	
movine ticker	PStream Table 1: Productivity for each worker A LApples	
	Banana Apple A 5 10 B 2 8	
1.	A has a compositive advance of the	
Petreon 1 2	has a comparative advantage in the production of banana. (1 points)	
	has a comparative advantage in the production of apples. (1 points)	
	en that, without trade, each country will want to consume an equal number of banana and apples.	
- Qd TV V.	How many units of banana that country A will produce? How many apples that country A will produce? Please show your steps. (2 points)	
ApTV S	Assume A use & units of time on Banana	
5	5x = 10 - 10x How many units of harmonic of harmoni	
	How many units of banana that country B will produce? How many apples that country B will produce? Please show your steps. (2 points)	
	Please show your steps. (2 points) Banana: 3×5×500= Y = we on banana Apple: 5×10×500= 1-4 time on apple:	7
100x 31 = 20	ON SILLEYS	
•	What are the total production for banana? What are the total production for apples? Please show your	
24=8-84	steps. (1 points)	
y= 4	1 3 = 37 0.0 - 24 6.67	
BARRACI LYS	2×100 = 4000 , 1000 0	
Why. Fxgx7	2×100 + 4000, Page 2 + 1000 9	

4. If the countries decide to trade and each country completely specializes, to maximize the total revenue, which country should produce banana? How many banana that country should produce? which country should produce apple? How many apples that country should produce? (4 points)

E 8x 100= 4000.

5. Through comparing two cases (with vs without trade), how many additional bananas that A and B produced by trading? How many additional apples that A and B produced by trading? Please show your steps. (2 points)

Apples: 4000 - 2466.67 = 1533 Banana: 2500 - 466.67 = 33.