

Department of Computer Science & Engineering

Course Title - Economics.

Course Code - ECN-201.

Topic - ASSIGNMENT -01

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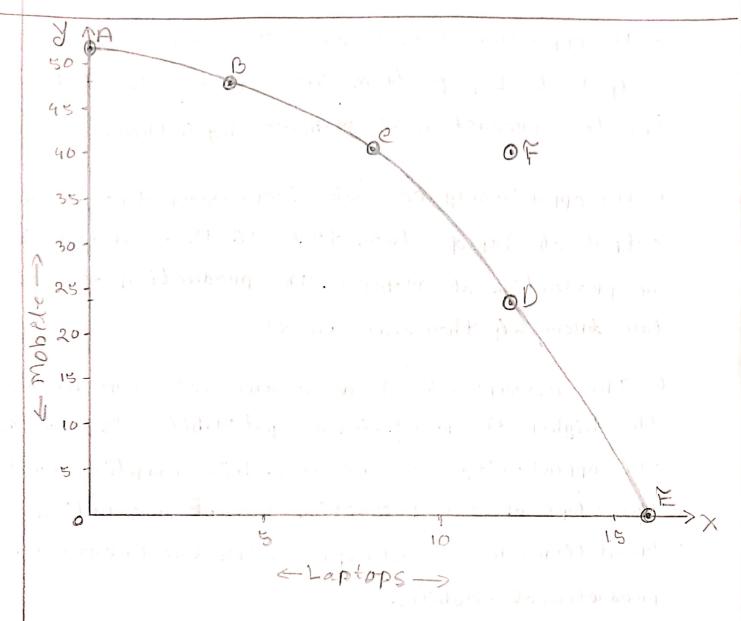
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Section - A

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- b) Netherlands ean't produces. 12 thousand ob laptops and 40 thousand ob mobile because this point lies outside production possibility brontteen.
- c) It Netherland wants to produce 6 thousand ob laptops and 30 thousand ob mobile, they can attain productive ebbectency. Because the point lies inside the production possibility brontteen.

- d) The opportunity cost ob increasing the annual output ob Laptops brom 4. to 8 thousand, will be the less production at Mobiles by 8 thousand.
- e) The opportunity cost ob increasing the annual output ab Laptops brom 12 to 16 thousand will be no production at Mobiles. The production at Mobiles ball brom 24 thousands to 0.
- b) The answers ob .d. and e are not same because the higher the production ob 'Mobiles is, the higher the opportunity cost becomes. This implies that, the slope of the production possibility brant them. becomes steeper with the impresse in the production of Mobiles.

by the hendance can't puch a to de should an

end he thousand as mobile because the principal his principal his proportion production production.

and the Methodolog winds to produce of the orthogon

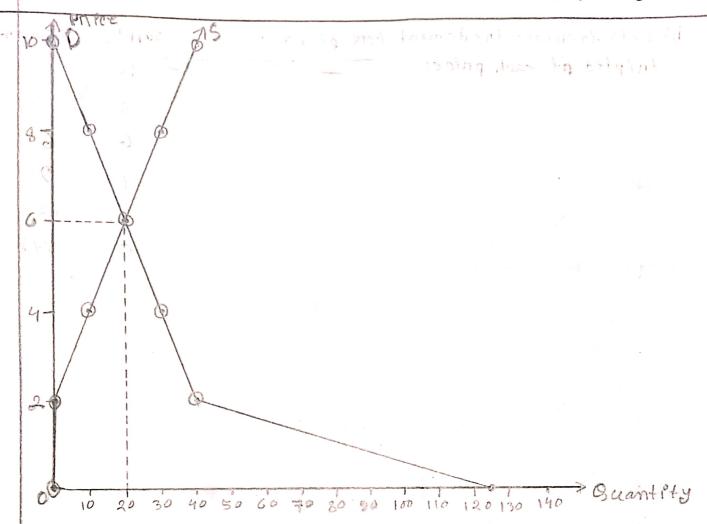
at the comment that bother the sound of many days

per in 1213 bumilien.

- 17/ Use a diagram to ellustrate how each at the bollowing events abbects the equilibrium price and quantity ab pizze
 - a) The price of mozzanella cheese rises.
 - b) The health hazands ob hambungers are widely publicized.
 - c) The price ob tomato sauce balls.
 - d) The incomes ob consumers rise and plzza is an interior good.
 - e) consumers expect the price of pizza to bull next week.



۲٥.	possible Ebbects on Demand, supply	Esail Phrium price	EquelPhilum Quantity
	,		
a)	Decrease in supply	Increase	Decrease.
Ь	Increase in demand	Increase	Increase
С	Increase in supply	Decreos	In crease.
d	Decrease in demand	Deenease	Decrease
e	Decrease in demand	Decrease	Decrease

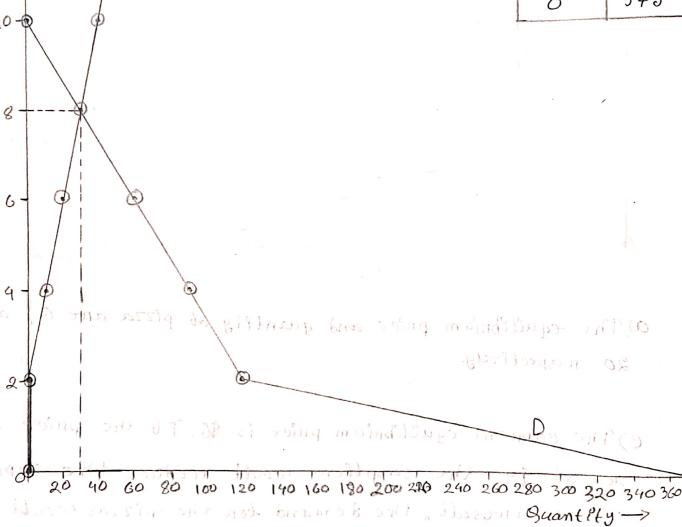


a) The equilibrium price and quantity of pizza are G\$ and 20 nespectively.

e) The cument equelibrium price is \$6. It the price were set at \$4, the suppliers would reduce the supply and as aresult. The demand born the pizzas would increase. In this case, due to impressed demand, the price would eventually rise to the equelibrium price of \$6 where both the demand and the supply would remain equal.

ged pieze at highen price bum \$6 66 5

b) Let's increase the demand both pizza	Supply	Demand	Ly
tripled of each price:	10	0	
	8	30	
	6	80	
prièce	4	90	
Picco	2	120	
	0	375	



The new equilibrium point willbre 8\$ and 30, price and suantity nespectively. But the new equilibrium point will make pizza consumers wons abb since they have to pay mone than bebone. But the consumers will increase brom 20 to 30. This would make the pizza makers better abb. by helping the sell pizza at higher price brom \$6 to \$8

3) a)

Consumer	willigness to pay (\$)	price paid	Individual consumer Surplus.
1	40	29	11
2	35	29 7 1000	y war Gray
3	30	29	1
4	25	ĵ)	
5	20		
G	15	_ ~	4.
Total Consumer Surplus			18

b)

0	Willigness to	price paid	Individual
Consumen	sumer pay (\$)	(\$)	consumer surplys.
1	40	19	
2	35	19	16
3	30	19	11
4	25	19	G
5	20	19	1
G	15		
7	otal Consumen	surplus	55

Changes ob individual consumer surplus;

	Consumen	price at \$ 29	price at \$ 19	Consumer supplus change
	1	11 (6	21	10
	2	G	16	10
-	3	1	11	10
-	4		G	G
,	5		1	1
	G	- bing on	9 01-27-6311140	

The total consumer surplus will increase by \$37 (\$55-\$18).

Total Consumen Sumples

P2=1,100 g Hene O2= 12,000 P1= .900

S1 = 8,000

suppleed The percentage change in quantity demanded of computer

 $\frac{9_2 - 9_1}{(9_1 + 9_2)/2} \times 100 = \frac{12,000 - 9,000}{(12,00 + 8000)/2} \times 100 = 40\%$

The percentage change in price:

 $\frac{P_2 - P_1}{(P_2 + P_2)/2} \times 100 = \frac{1100 - 900}{(1100 + 900)/2} \times 100 = 2070$

50, price elasticity at supply = - To change in Quantity demanded

b it $0_2 = 12,000 + 1,000 = 13,000$ $0_1 = 8,000 + 1000 = 9000$ P2=1,100

P1 = 900

The pencentage change in quantity supplied: (82-01) x100

= 13,000 - 9,000 × 100

36.3690

so, price clasticity of supply = 36.36% = 1.81 (price elastic)

so it the birms produce 1.000 more computers at price \$1,100, the price elasticity of supply will be less that part "a". (2>1.82).

P2 = 1,100

3

SO, the percentage change in quantity supplied = \(\frac{\alpha_2 - \alpha_1}{(\alpha_1 + \alpha_2) + 2} \)

ib the quantity supplied increased by 20%, the price elasticity of supply will remain some as part "a"