PRINCIPLES OF MICROECONOMICS

Special Assignment

(18.11.2016)

Name - Sidhanta Bahubalendra

Regd no - 1641014078

Branch - EEE

Section - B

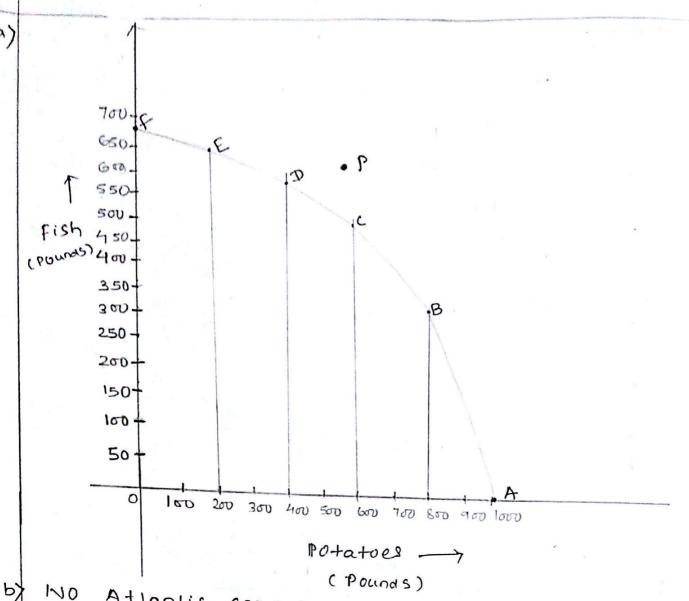
Pizza consumed (No.)	Total Benefit	Mareĝinal Benefit CIRSI)
. 0	0	0
1	25	25
a	45	20
3	60	15
4	70	10
5	75	05
6	75	0.5

eriven, proice of each pizza = 15.

I should consume 3 units of Pizza, because Herce marginal benefit should be greater than or equal to marginal sacrifise.

It Satisfies the 3rd preinciple "Rational People think at margin."

Annual output options	Quantity of Potatues (pounds)	Quantity of fish (Pounds)
A	1000	0
В	800	300
	600	500
D	400	600
E	2.00	650
F	0	675

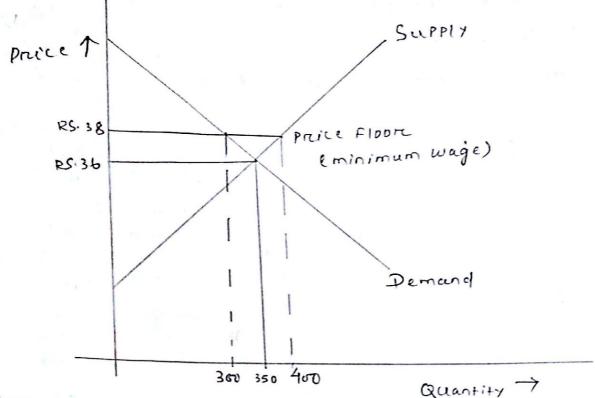


NO Atlantis can not produce 500 pounds of fish and 800 pounds of Potatoes because as it lies outside the maximum annual output option on beyond the PPF, that is not feasible due to lack of resource and technology. This point p' is noted on above PPF, reight to the PPF.

The oppoturnity cost of increasing the annual output of potatoes from 600 to 800 is 200 pounds. Oppoturnity cost of increasing the annual output of Potatoes from 200 to 400, pounds is 50 pounds. The answers to point c and d are not the same because, when different workers have different skill, tesulting in Varying oppoturnity cost. This implies that the slope of the ppf 15 curved on bow shaped.

c7

d)



Covernment fixes the minimum wages at RS.38. This minimum wage is binding on the labour market because the price floor is Set above the equilibrium price.

When the govt fixes this minimum wage at 185.38, there is a surplus in the market i.e low labouring. If the Govt, withdraws this minimum wage at 185.38,

then the market wage reate is 36.

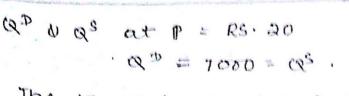
(Qd QS) = 350 labours.

$$Q^{D} = 17000 - 500P$$
 $Q^{S} = 3000 + 200P$

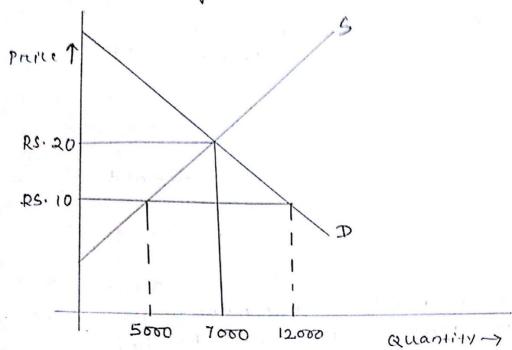
At the market cleaning Price,

 $Q^{D} = Q^{S}$.

 $Q^{D} = Q^{S}$.

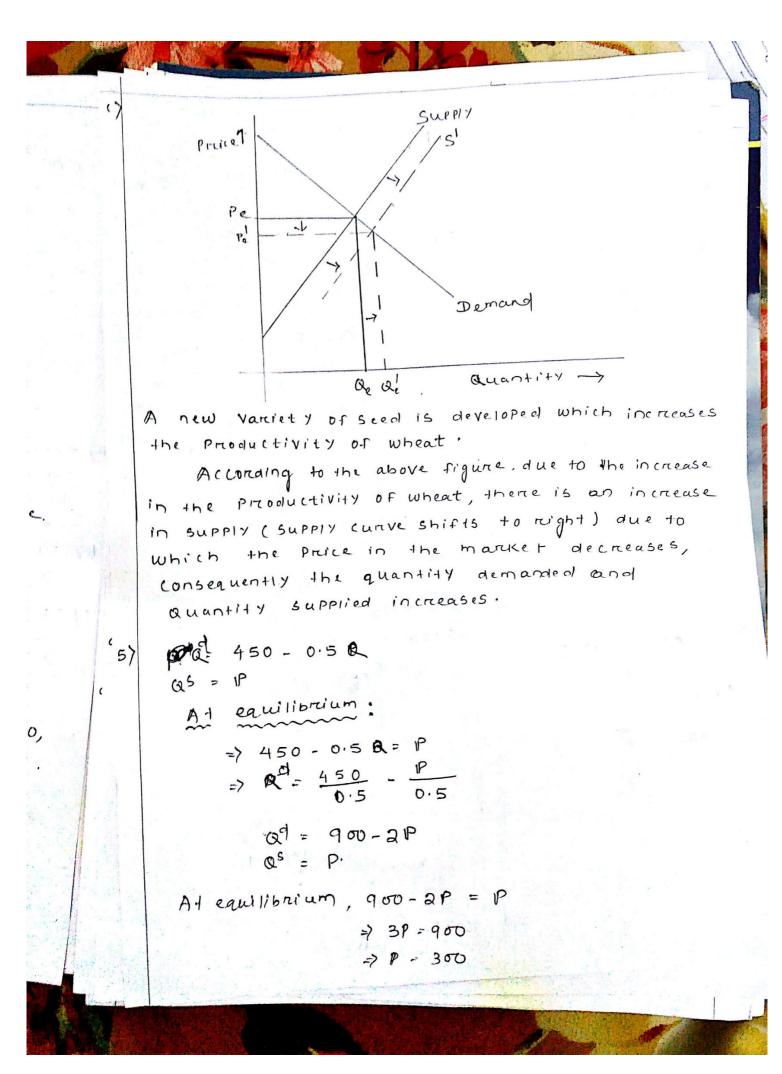


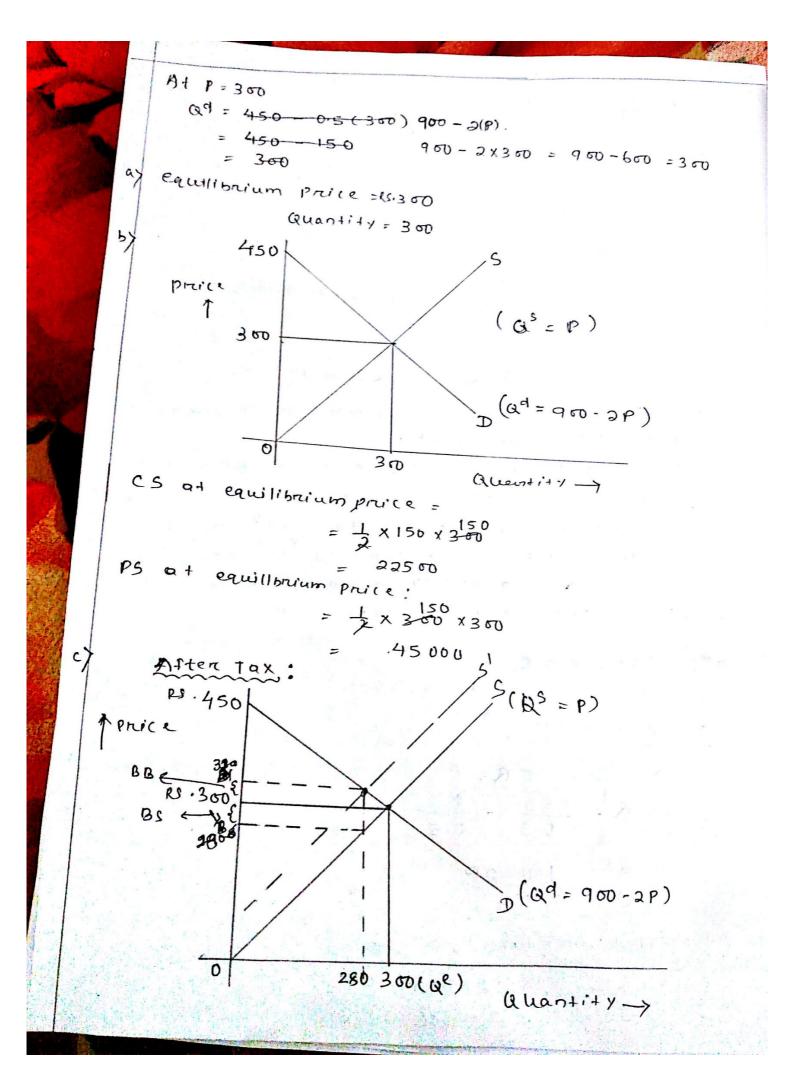
The market cleaning preice = no 20



In the above figure, the actual price of the.
Product 15 RS. 10.

50, if the actual price of the product is 185.10, then it would lead to shortage in the market. Shortage = QD-QS





$$e^{A} = \frac{dQ^{P}}{dP} * \frac{P}{Q}$$

$$= -2 * 1 = 62$$

$$e^{S} = \frac{dQ^{S}}{dP} * \frac{P}{Q}$$

$$= 1 * 1 = 1$$

Burden on Buyerr =
$$\frac{e^{S}}{e^{S}+e^{4}}$$
 * Tax Size
$$= \frac{1}{1+a} * 30$$

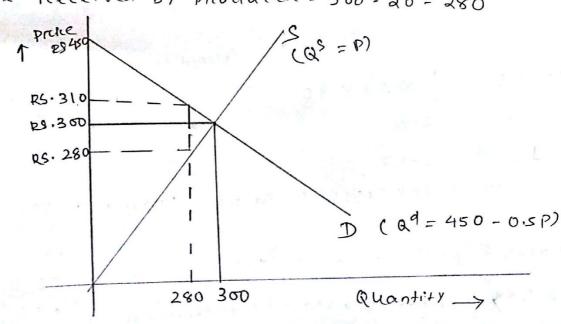
$$= \frac{1}{3} * 30$$

$$= 10$$

Burden on Sellen =
$$\frac{e^9}{e^5 + e^9} + Taxsize$$

$$= \frac{2}{3} + 30$$

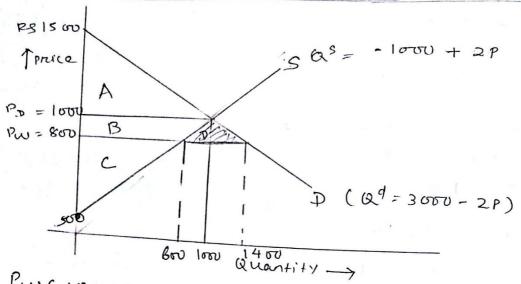
Price received by producer = 300 - 20 = 280



conti. After tax CS = 1 × 140 × 280 19600 PS = 1 × 140 × 280 39200 Tax Paid by consumer = RS. 10 Tax paid by producer = RS. 20. Tax Revenue - Taxsize * Q 30 * 280 8 400 rax Revenue ٤) > Hew paul libratium. RS. 310 (RS 3N) Pe RS. 280 pemand 280 300 (Qe) Quantity -> dw 1055 = 1 x 20 x 30 = 300 3> es = 1, ed = (-)2 Percentage of tax revenue Paid by consumer = 2800 x100 = 33.331/. Pencentage of tax revenue Paid by producer = 5600 x100 When (ed x &), that is elasticity of demand is greater than elasticity of supply. The incidence of tax fails heavily on the producer than consumer

d₂ = 3000-36 Q5 = -1000 + 2P At equilibraium price, 2p = ap => 3000 - 2P = -1000 + 2P => 4000 = 4P => P = 1000 Q9 U QS at P = 1000 Qd = 3000 - 2(1000) = 1000 Q\$ = -1000 +2(1000) S &=-1000+2P = 1000 1500 price 1 1 cole D 00 = 3000 - 512 500 1000 Quantity -> The equilibraium price = RS. 1000 Quantity = 1000 Consumer Surrplus = 1 x 500 x 1000 = 250000 Producer Surpius = 1 x 500 x 1000 = 250000 Total sun Plus = 250000 + 250000 = 50.0000

a)



Pucworld Price) = RS. 800
PD = 1000
PD > Pw, SO India will import mobile

handsets.

$$A + PW = 800$$
 $Q^{3} = 3000 - 2(800)$
 $= 1400$
 $Q^{5} = -1000 + 2(800)$
 $= 600$

The import amount = 800

According to the principle "Trade mouses
everyone better off". The country will
gain from both trade and the gain
from trade = 1 x 200 x800

= 80000

Welfare effect:

	Before Tregale	A Flen Trade	Change
C S	250000	490000	240000
PS To	25 0000	9 0000	-160000
TS	500000	580000	800000

50 gain from trade = 80,000.

We know:

in come elasticity of demand.

$$= \frac{1.\Delta Q^{d}}{1.\Delta i} = 2$$

Price elasticity of demand.

So, when the income increases.

then the expected demand for apple.

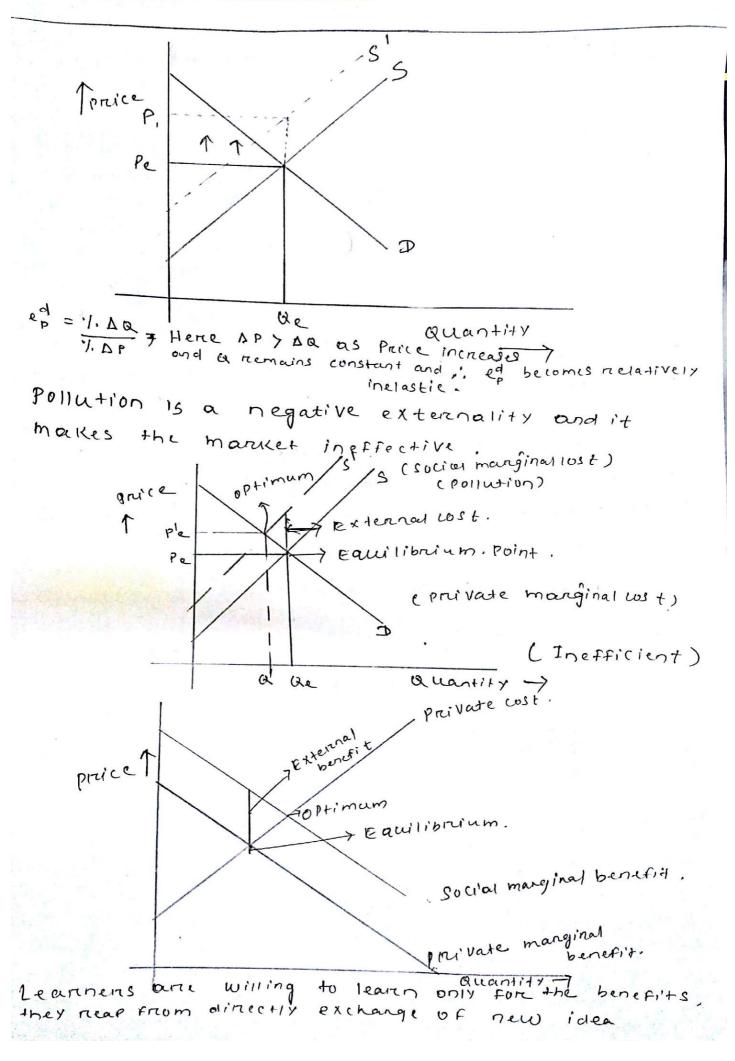
= 1140 boxes.

50, when the price increases then the expected demand for apples.

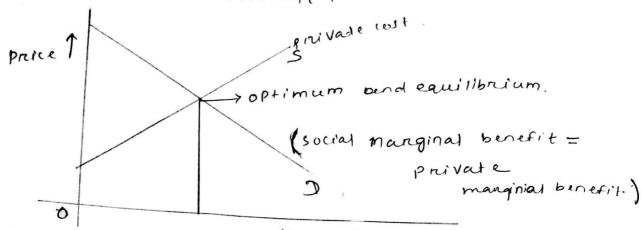
1000 - 125 = 875 boxes.

by If the cross-proce elasticity of demand between commodities A and IB is negative, the demand runve for B shifts left, if price of A increases because they are complement to

If the shifts of the supply curve results no change in quantity demanded



leading to under consumption and market becomes in efficient.



Subsidy by Govt. in research and development helps learners to learn from the creativity of others.

Herre social benefit = private benefit.

Demand curve after externality and

(Subsidy (vincial).

Ot equilibrium = · Ot optimum.

Market becomes efficient.

- X ---