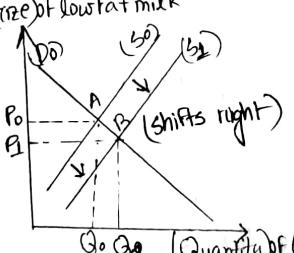
Answer to the question no: 1

1) The wage reate of daircy workers falls.

1. Effect on the supply of Low-fat Anik:

A decrease in the coope rate of dairy workers reduces the cost of low-fat milk. Which encourages dairies to increase their production of low-fat-milk. leading to an increase in the supply of low-fat milk.

2. Gircaph: Prize of low fat milk



Herre, As Barreequilibrium Do = demand curive curve

50 = Supply Curive

51 = NEW " "

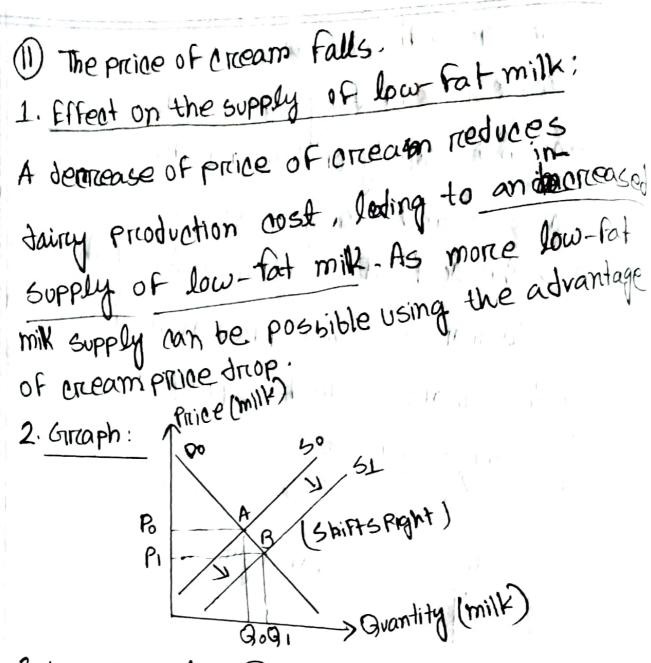
Po = Price For So.

Pi = New 11 11 31

Q1 = New , >> 51

Go Ge (Quantity) of low-fat milk Herre, as a decrease in the wage reate reduce production costs, lowered the price of the productional low-fat milk and annourcages increase in the quantity supplied (Qo-to Q1).

3. Law of supply: Is when the wage reated rops, led's to an increase in the supply and Lower costs result in a higher quantity supplied. But the reduction can increase profit-margin.



3. Law of supply: 10 Yes,

The price of cream dropping reduces.

production cost, increases the supply

of low-fat—milk and Lower Production

supply cost lead to greater quantity

supplied.

(11) The price of low-fat milk falls. 1. It will Effect on the supply of low-fat milk: When the price of the low let milk falls it reduces the profit margins forc dairies 60, this reduce the supply of low-fat milk.

Phite (milk) Q. Gircaph: (Shift left) Quantity (milk)

3. Law of supply: No.

As lower privaces marreage to an increase of supply but in this case it shows reduced prices can reduce supply the to production

Process.

iv) 1. Effect on the supply of low - Fat - milk Dairies reaising their expected enice of low fat milk next years due to extended low reainfall may encourage them to reduce == supply, experting better prices lmilk Price 2. Graph. (shifts left) > Quantity (milk) Q, Go

3. Law of Supply; Yes,

This event gives the law of supply Diarries are reducing the ounrent supply in anticipation of higher sucre prices

The new technology lowering the cost of producing ice-arceam is likely to increase producing ice-arceam is likely to increase the supply of low-fat milk, as more arream can be diverted to ice-arceam production arrang it more cost-effective to produce making it more cost-effective to produce how fat milk.

Arize (milk)

2. Greaph:

3. Law of supply: Now Yes,

The this event impacts the production of incerneam. As lowers the production costs incerneam. As lowers the production costs incerneam, as lowers the production costs.

Typically lead to an increase in the supply.

AB (Shifts right)

Answerto the guestion no:2

Given, pD=1000-4QP 3 PS= 300+3QS

To find the equilibrium price (par) 3
equilibrium Quantity (Q*) > 5 ubstituting Q* for
equilibrium Qs for par for pas ps.

50, pt =1000 - 49 9 pt = 300+30°

Now,

$$1000 - 49^{*} = 300 - 39^{*}$$

And

$$P^{at} = 600$$

Therefore, the equilibrium Price & Quantity arce, pt = 600 & Qt = 100.

Given Pheno equations,

$$P^{D} = 1000 - 49^{D} \cdot 3 \quad P^{S} = 300 + 39^{S}$$

From (1), $G^{K} = 300 \cdot 3 \quad P^{K} = 600$

Circaph! $P^{C} = 600$

New equations,

 $P^{D} = 1000 - 4 \quad (9^{D} + 2)$
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 $P^{D} = 1000 - 4 \quad (100 \cdot 14^{D} + 2)$
 $P^{D} = 1000 - 4 \quad (10$

Answer to the question no:3 The Income Elasticity of Demand (IED) in this case is likely positive. An inomease in consumers income leads to an increase in the quantity demanded of playbox gaming concoles, which indicates a positive relationship between income and demand. So, the posithive IED values signify that as income rises, consumeres tend to by morce of the product.

New Demand, 1500 - 400 = PD, Given, P= 300+305 50, if, QD= Qx = Q5

equilibrium, 1500 - 49 = 300 + 39

=) 39x +49x = 1500 -300

 $=> [70^* = 1200]$

1.Qx = 171.428

8Px = 1500 + 4x (171.428)

: P = 814.28

Old equilibrium, 1000-49, = 300+39,

= 50, Q' = 100 = 700 $= 600 \quad \text{From 2(1)}$

Percentage change in income | Percentage change in demand. $\frac{1500-1000}{1500+1000} \times 100 = 40\%$ | $\frac{1200-700}{1200+700} \times 100 \approx 52.632\%$

-"IED= 52.632 =1.315 which is>1 9<0.

1. TED is positive.

If there is underpreoduction quality supplied is less than the equilibrium quality then the value will decrease in total surplus.

60, Total TS = 1800 + 900 = 2700

Now if we make the quantity smaller 0 = 30 to 3°=15 then there will be a deadweight

Corroph: Cost Dealweight S

Corroph: Cost Dealweight S

O 15 GA

G 30

And underzpreoduction will be been with deadweight loss 8 this will cause the loss in total sumpluss.

Herre, At equilibraium point, 05=A+D & PS=B+E

uffer under production, US=A 9,05=B

Therefore, Deadweight loss = D+E

Answer to the question no 4

Given,
$$PD = 200 - 40P$$
 & $PS = 20 + 20S$

In equilibration, if, $PD = PS = PM$ & $QD = 0S = QM$

then, $2D0 - 40M = 20 + 20M$

$$= 30$$
And $PM = 444 - 200 - 44 \times 30$

$$= 80$$
Consumer Applies, $PS = \frac{1}{2} \times b \times h$

$$= \frac{1}{2} \times b \times h$$

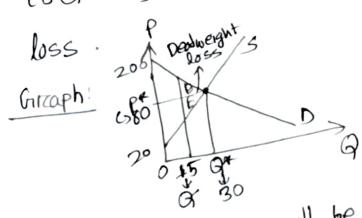
$$=$$

In question (1) we can observe the equilibrium price the price p*= 80 9, as it is equilibrium price the consumer suplus remains the same as calculated consumer (1), which is 1800, 50, it is the it is before (1), which is 1800, 50, it is the it is the same compared to the consumer surplus (1).

If there is untempreoduction quality supplied is less than the equilibrium quality then the value will decrease in total supplus.

60, Total TS = 1800 + 900 = 2700

Now IF we make the quantity smaller 9=30 to G = 15 then there will be a deadweight



And underzproduction will be been with deadweight loss & this will cause the loss in total surpluss.

05=A+D & PS=B+E Herce, At equilibraium point, VHER under production, US=A 9 pS=B

Therefore, Deadweight loss = D+E