Economics 101 Section - 11

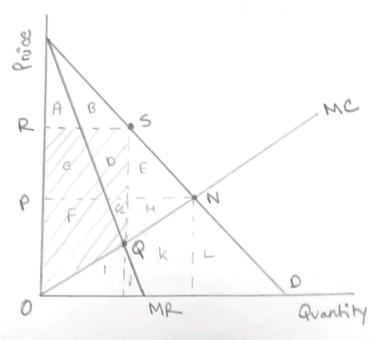
Assignment 2 Marks: 15

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## Ans. no-1(a)

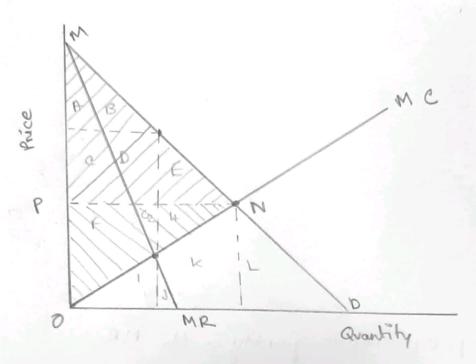


In Monopoly, equilibrium quantity > MC=MR

At point 'Q', MC=MR. Reflecting the point 'Q' to the Demand line, 's' is the equilibrium price

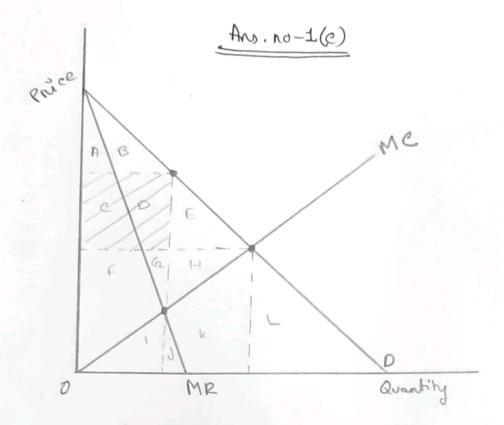
: Producer Sumplus = RSQO = Arrea (C+D+F+Cz)

## Ans. no-1(b)



For penfectly competitive manket, MC=D is the point for market equilibrium price and quantity. From the graph, 'N' is the point.

- .. Producer Sumplus = DNPO = Arrea (F+(r+H)
- : Consumer Sumplus = DNPM = Amea (A+B+C+D+E)



For market equilibrium in perfect competition, consumer surplus would be A+B+C+D+E

But in Monopoly, Consumer sumplus = A+B so, Consumer Loses = C+O+E

At the same time, Producer sumplus in Monopoly
= C+O+F+GZ

So, C+D goed from Consumer to Aroducer Lastly, E from Consumer and H from Producer becomes deadweight loss.

So, it can be said that, among the two mankets, perfect competition is more efficient due to not introducing any deadweight Loss.

$$09 = \frac{2800}{7} = 400$$

The equilibrium quantity is 400 units and the equilibrium price is 600-80T.

As we know,

Qd = QS

Profit maximising output 
$$\Rightarrow$$
 MC = MR  
... MC = P  
 $\Rightarrow$  100+2=600  
 $2^{\text{From "a", p=600}}$ 

$$=$$
)  $q = \frac{600-2}{10} = 59^{\circ}8$ 

Since the firm cannot produce a Fractional chicken

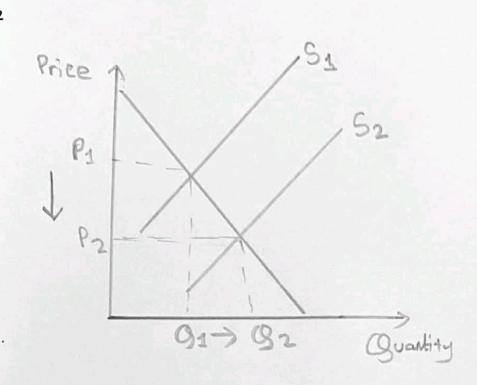
$$= (P \times q) - (200+5q^2+2q)$$

$$= (600 \times 60 - (200+5 \times 60^2 + 2 \times 60)$$

$$= 36000 - 18320$$

$$= 17680 (Ans)$$

50, the seller's profit at this market equilibrium is 17,680 BDT.



The long run, is the period of time where all factors of production can be adjusted, allowing firms to change their scale of operations and adjust to market conditions freely. From "b" we can see that there is some Economic Profit incurring. If this goes on, the economy will see more firms entering into the market.

As more firms enter into the market, the supply increases and the supply curve shifts to the right (st to 92), resulting in an increased quantity in a lower price.

In addition, the Price decreases upon new firms entering into the market (PI to PZ), the economic profit will derease. New Airms entering into the market goes on until the economic Profit becomes zero.