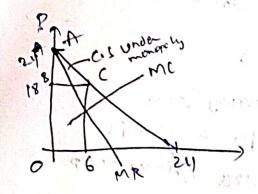
Monopoly & monopolistic competition Tut-11

1)

$$\frac{d(T1)}{dQ} = 2Q$$



$$TT = TR - TC$$

$$= 108 - (26 + 124)$$

$$= (24 - 18) \times 6$$

$$= \frac{(24 - 18) \times 6}{2}$$

$$= \frac{6 \times 6}{2}$$

000001-1723110

OTR E PX 90

18 01 = 24Fg

(4201) 30.0 F ., MR = 24-29

= (254-8) 8

$$=\frac{(24-18)\times 6}{2}$$

$$= \frac{6 \times 6}{2}$$

2)

9=100-27

MC = 5+0.5B

2P= 100-9

P=50-1 8

TR = 509 - 0.59

MR= 50-9

mr=mc

50-9=5+0.59

1.59=45

19m=450 = 10

orpm = 50 - 1 (xo)

Pm= 35 00 000 000

ideal price for 9=10

P=5+0.5(20)

DW.L = (35-70) x (45-70)

= 15X15

pw1= 1125

30

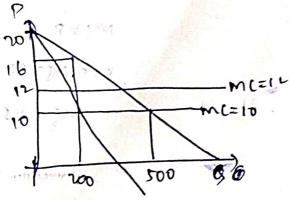
MC=P

Poarment ston = 5+0.5(45)

= 27.5

231 Ca gan assi confimit rown to star note.

MC under PC=10 Mc under monopoly = 12



$$MC = P$$
 $10 = 20 - \frac{1}{50}$
 $\frac{1}{50} = 10$
 $\frac{1}{50} = 10$

$$MC=MR$$
 $TR=20g-1g^2$
 $MR=20-2g$
 $12=20-2g$

$$12 = 20 - \frac{2}{50}$$

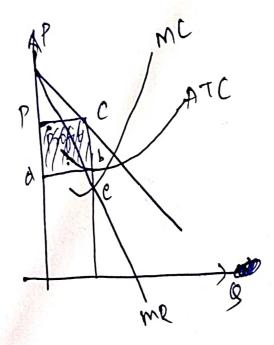
Total loss of consumers wiply = 2500-400 = 2100

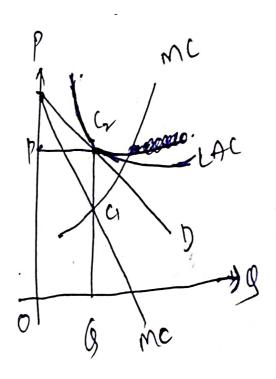
DMC= 2500-400-800

DW L= 1300

LAC=P
$$g^2-18g+100=16-2g$$
 $Q=8$
 $P=20$
 $TI=TR-TC$
 $=(70x8)-(14cx9)$

301





In long Run
firm will earn
zero economic
profit.