Economics Assignment #02 20_

Answer#01:
a .
i. Ease of entry:
Demand curve becomes flatter because
i. Ease of entry: Demand curve becomes flatter because more firms can enter the market and increase competition:
II. Large Number of Firms:
Demand curve becomes flatter because with more firms, an individual firm's demand becomes
with more firms, an individual firm's demand becomes
more elastic.
more elastic. III. Market demand curve is relatively elastic: Demand curve becomes flatter because if demand is elastic, price changes have larger effects.
Demand curve becomes flatter because
if demand is elastic, price changes have larger
effects.
iv. Supply curves of other firms are relatively elastic:
iv. Supply curves of other firms are relatively elastic: Demand curve becomes flatter, as
elastic supply curve will make substitution cosier
than before.
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Ь.
i. AC:?
Avg. VC curves:?
$\Rightarrow AC = C(q) = 10 + 10q + q^2 = 10 + 10 + q$ Ans
9 9 2
$\Rightarrow AVC = 109 + 9^2 - 10 + 9 Ans.$
9
11. 9:? (maximum profit)
\Rightarrow $dVC = d(109+9^2)$
dg dg
0 = 10+2p Ans. => 2 = p-10 Ans.
2 P PAPER PRODUCTS

III. p=50, 9:? : P= 10+2g

≥ 50 = 10+2g

 $9 = \frac{50 - 10}{2}$

9 = 20 units Ans.

C. R=\$1000 /week (shutdown firm?)

i. VC = \$500

F = \$600

No, firm should continue its operation as:

R > VC, as variable costs can be covered

the short run.

ii. VC = \$1001

F = \$500

Yes, firm should shutdown as:

R<VC, because firm cannot cover its variable costs in this condition.

Answer#02:

Q = 15.6 - 0.5p E = ? for p = \$7.20 / bushel

⇒ Q=15.6-0.5(7.20)

Q = 12

E = - b(P/Q)

 $\xi = -0.5(7.2/12)$

 $\mathcal{E} = -0.3$ (inelastic)

iv. For a giffen good like rice, when in	b price decreases	
the income effect might lead the	consumer to buy	
the income effect might lead the a less, as they effectively feel 'richer'	and may substitute	
The substitution effect favours cheaps	er rice, while the	
The substitution effect favours cheapsed income effect reduces its quantity of	lemanded due to	
increased purchasing power.		
٧.		
To maximize total utility:		
To maximize total utility: MUx = MUx		
P_{x} P_{y}	or How Mr.	
Since, Px = Px = 1, compare:		
MUx & MUy	W	
The individual should spend in this		
Dollar: Commodity: Utility: Reason:	vilos lites like	
1st y 19 MUy > MUx	7	
2nd y 17 MUx > MUx		
3rd Y 15 MUy > MUx	5 units of Y	
4th y 13 Muy>Mux		
5th Y 12 Mux >Mux	1	
6th \times 11 $MU_X > MU_Y$	1	
7th X 10 MUx ≥ MUy	3 units & X	
8th X 9 MUX > MUY _		
$Q_x = 3$, $Q_y = 5$ Ans.		
ь.	4	
Total utity = TUy + TUx		
TU = (19+17+15+13+12)+(11+10+9)		
TU = 106 Ans.		
c.		
Equilibrium condition: MUx = MUy, [:	-Px = Py = 1] Ans	
cymuetion condition.	PRODUCTS	