Costs exists due to scarce resources
and alternatives.

98 scareuty fades cost declines.

→ Explicit Cost: Birect, visible, clean, evident.

Taxes, Bills, monetary payments, school fees, salaries, mages, groceries

→ Implicit Cost:

Oportunity cost / economic cost / indirect cost

carpenter | wood worker -> self employed.

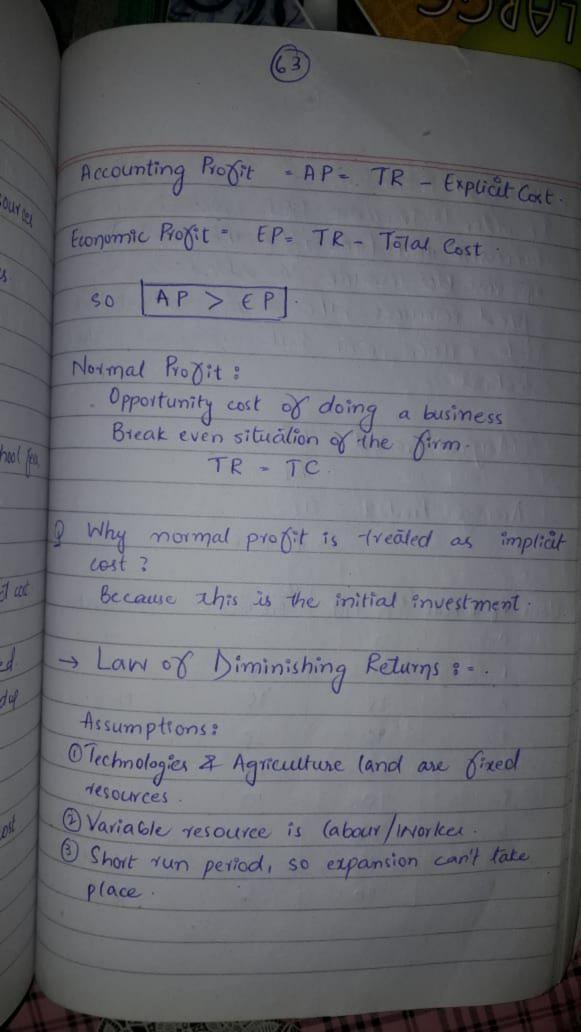
if he works for someone he will endup
with atleast (860.000) a month.

implicit cost.

Total Cost = Explicit cost + Implicit cost

Profit = Total Revenue - Total Cost.

TR = PXQ.





## Statement:

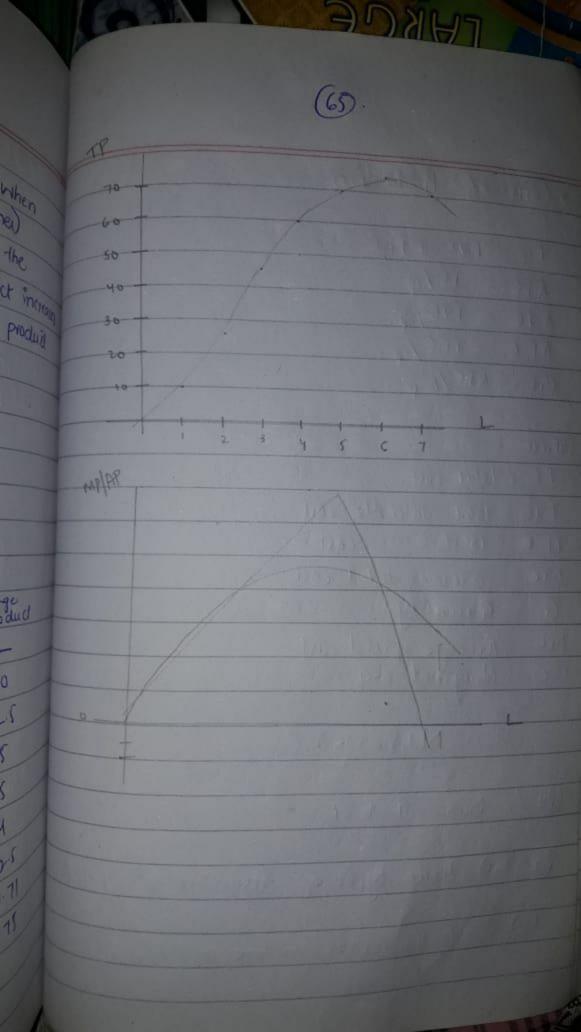
In order to increase total product when successive units (one after the another) of variable resource are added to the traded resources the total product increases to certain point but marginal product declines.

Marginal Product = DTP
DL

Average Product - TP

No of labour

Units of Lak	pour Total Product	Marginal Product	Average
0	0	-	
1	10	10	10
2	25	15	12.5
3	45	20	15
4	60	15	15
5	10	10	14
6	75	5	125
7	75	0	10-71
8	70	-5	8.75





3 UNIF

→ Costs of Production

TC = TVC + TFC

ATC = TC/Q

AVC = TVC/Q

AFC = TFC/Q.

MC = ATC/AQ

where

TC = total cost

TVC = Total volatile cost

TFC = total cost

ATC = average total cost

a = quantity

AFC = Average fixed cost

MC = Marginal west

Numerical.

Q4. Sone at back.

Q1 (a) Three types of curve in one panel.

(b) Graph the curve in one panel

## LARGE



10 Complète Table at page 412 and compare 70 test and 4 table.

cost

To

TFC Quantity

Q2 AP = TR - EC

EP = TR - (EC +IC)

Sal

TR = 72000

Explicit cost

12000
5000
20000
37000
3000
22000

AP = 72000 - 37000 = \$35000

EP = 72000 - (37000 + 22000) = \$ 13000.

98

EXERCISE BOOK BIGE

(1)

OR

call

1:0



16/04/19 - ~ Pure Competition: ~

- \* Assumptions:
  - 1) large no of buyers & sellers
  - 2) Product is homogenous

  - 3) Firms are price takers
    4) Easy entrance and exit for the Girms.
  - 5) Markel is perfect without government intervention.
  - c) Dermand is perfectly elastic. P = AR = MR = 8

Where AR = TRIQ and MR = ATR/SQ

\* Application in the real world:

- 1) This model is applicable in stock exchange
- 1) It can be applied in agriculture. 3) Applicable on communication networks.
- Q How the firm can maximise the p10 (it ?

EXERCISE BOOK

(69)

\* Short Run Profit Maximisation Approach :

2) Marginal revenue & marginal cost.

1) Total Revenue & Total Cost Approach:

(i) AR = ATC Revenue TR

(i) TR = TC cost

9

called Break even point 100 1

(01) Normal profit TC = TFC +TVC.

(01) Opportunity cost of business.

(ii) AR > ATC (OR) TR>TC

or the Am

an Theil

ATR/AU

look eith

INO/H

called Positive economic profit.

(iii) AR < ATC (OR) TR < TC.

(OR) Loss for the firm.

-> Graph description: \* Intersection at point a 3 b reflects zero economic profit. \* The area before point a reflects negative economic profit (loss) \* Area beyond point à reflects positive economic profit. \* Area beyond point 'b' reflects negative economic profit (loss). d 2) . Marginal Revenue & Marginal Cost: MC \* Intersection of Mc and MR determines price, output, cost P = AR = D and revenue area. \* Very much applicable in monopoly and monopolistic competition. (1) AR = ATC Zero economic propit -MR = AR = D TR = PXQ TC = ATC XQ. =40 Q1

EXERCISE BOOK TR = PXQ - ARXQ - 10×40 = 400 oft. TC = ATC x Q = 10 x 40 = 400. ref (egt (055) AR > ATC (11) Positive economic profit. TR (22 92 st: d TO Mc TR avea Graph description: + Identify MR and Mc intersection. \* MR curve should be above ATC curve. \* Fittend the perpendicular from MR-Mc intersection. \* belemme TC & TR areas. (Lobel) \* Assume cost & revenue values. \* calculate the areas.

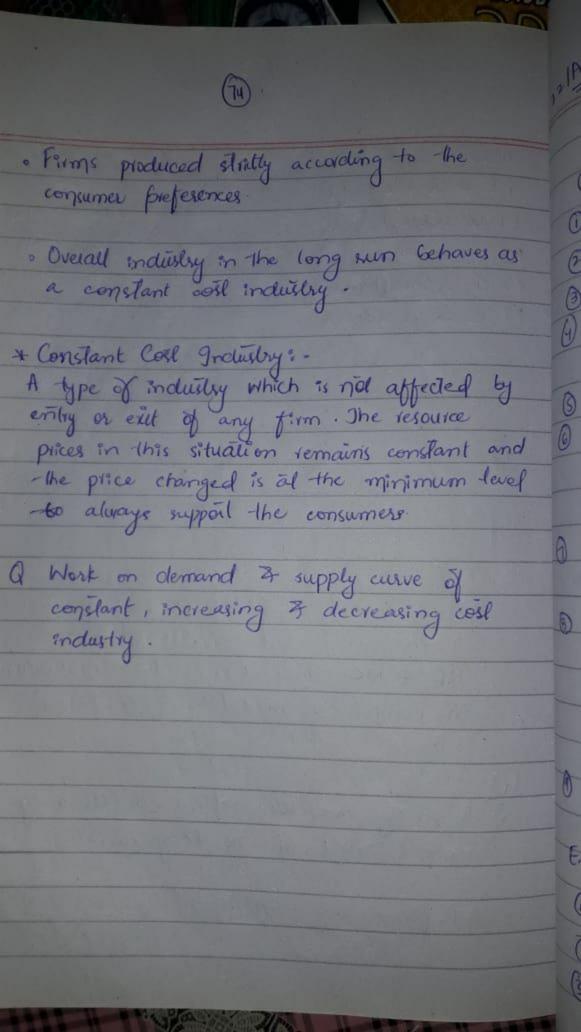
PS1

(17) 17/04/19 Q1 Which curve is supply curve in pure competition? of 43 Employ MR-Mc approach to deposit loss & shuldown in pure competition. AVC < ATC AR < ATC (loss) AR < AVC (shutdown) Q2 How do the firm behave in long run? Shutdown (AR (AVC)

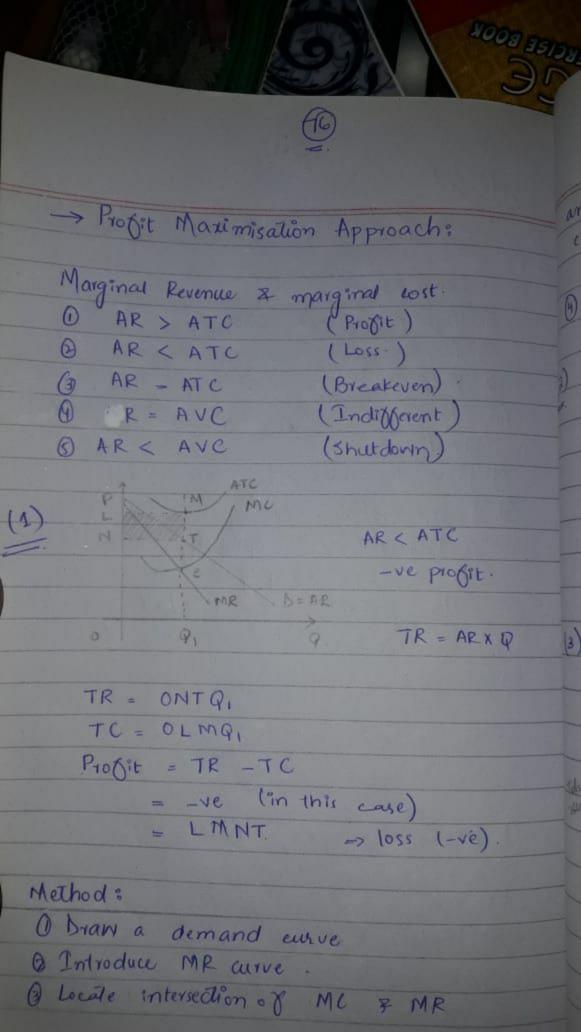
1) Firm should shutdown because of its inability -1. cover the opportunity cost.

1 Losses are very Auge.

EXERCISE BOOK D MILIT MR-Demand Cu PT a > +ve profit PT b > breakdown PT c -> loss PT d - indifferent PT e > shutdown MRS 0 MR & MC intersection is the equilibrium in competitive market · A purely competitive firm exhibits only normal profit at the long run-All firms have identical a



22/APY/19 ~ & Pure Monoply : 4 Characterstics: 1) There is a single seller (3) A monopolist is a price maker 3 There are bassiess to entry and exit 4) The condition of patents and copyrights ousts. B Price discrimination is exercised. @ A monopolist can buy out any other nt ad venture /business, especially in the case an tail of bilateral monopoly. 1) The demand curve is relatively inelastic N= AR. D= AR O Economies is widely experienced Examples: 1 Pakistan Rockways @ 16-dectric @ Toyala / Naihatsu 3 WAPDA



309A1 and extend the perpendicular upmands to the cost curve & downward to the quantity axis. A HOW find TC, TR & profit / loss AR - ATC. ATC, Sur AR > ATC. (3) D - AR



(4) AR = AVC

MR D-AR