Fashar 1603084

Economics

Economics

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Scanned by Hossain Ali

1. What is economics?

The word 'Economics' come from the word 'OIKOHOMIA'.
'OIKOS' means 'House' and 'HoHoA' means 'Rules' or 'custom!
So, economics means rules of the households or good managements of the households.

demand on the Edition

times at home

took a mountarque and

According to Adam Smith, "Economics is the 'science of wealth' ".

According to Harshall, Economics is material welfare. That is, how to use less wealth to develop the society.

According to L. Robins, it is scarcity and choice.

Economics is social science concerned with the factors that determine production, distribution and consumption of an economy.

In a words, Economics is well optimization of resources.

2. Types of Economics:

Economics is two types -

- 1. Macro economics
- 2. Micro economics

Macro economics:

Macro comes from the word 'Hakro' which means 'Large.'
Studies performance, structure, behaviour and decision

making of an economy as a whole

2. Hicro economics:

Comes from Greek prefix 'Mikro' which means 'Small'.

It is a branch of economics—that studies behaviour and decision making of an individual of a firm at individual level.

3. Three basic economic problems:

- (i) what to produce?
- (ii) How to produce?
- (iii) For whom to produce 9

Efficiency: Maximum product with less cost.

4. How to distribute among the participants:

Land - Rent
Capital - Interest
Labour - Wage
Enterpreneur - Profit

5. Subject matter of economics:

- (i) Consumption
- (i) Production
- (i) Exchange
- (iv) Distribution
- (v) Tax (Revenew analytis)
- (vi) International trade
- (vi) Economic development

6. Invisible hand:

Is a metaphor for how in a free economy self interested persons operate through a system of mutual interaction dependence to promote the general benefit of the society at large.

but here analyst me highly

Peratus to high

7. Positive economics:

what and why an economy operate based on scientific formula and statistical data.

- Descriptive economics
- Relationship between cause and effect.

Law of demand: 8. - High price, low consumption; low price, high consumption - when other things remaining equal-It Price increases, Quantity demand decreases decreases increases 9. Hormative economics: - Based on value and judgement. - Policy economics (idelican bourse) not (v) but International frade - Right or wrong How the economy should be - Minimum wage law Les traction are now in it made recording and are to parasans appends through a system of motion into all to Harnel termine wit draming of samplingib which and what are economy operate barea on telentific - Determinate Economics tiells kno arupo navarted quiscuitulati -

10. wants:

Unlimited desires or wishes for goods and services.

11. Demands:

Conditions for demand -

- Want it.
- Can afford it
- Plan to buy it you are good the dominad equation
- 12. Determinants of demand:

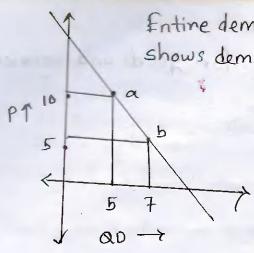
DF = f (Price, Income, Taste, Expectations, Price of substitute goods or complementary goods)

Demand Analysis:

Demand

Quantity demanded Sum of all demands Goods or services purchased at different prices at a pariticular price

Demand = IQD



Entire demand curve shows demand

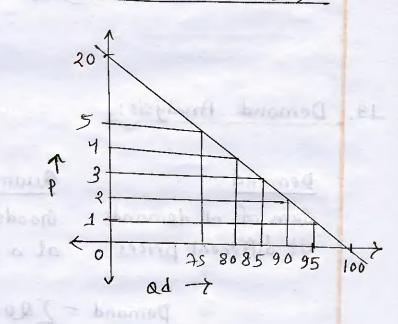
Ex: Suppose you are given the demand equation d=100-5p.

Soln:

- Demand scedule (DS): - Demand curve (DC):

of Point dament, Tar to be specialist

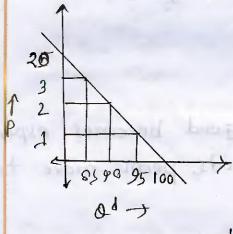
Р	Qd
1	95
2	90
3	85
4	80
5	75



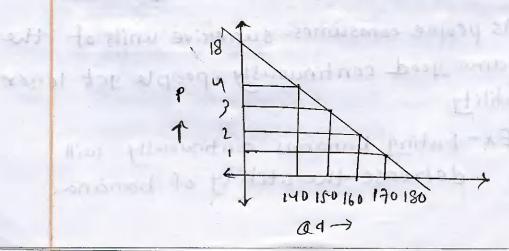
Market demand and Individual demand: 14.

- To analyze market demand, we need to know about market demand curve.
- We get market demand curve by summery all the individual demand for a particular product.
- Summing the individual demand curve horizonally we get market demand curve.

Man Land Person X: Qdx=100-5p Persony: Qdy=80-5p



odm = adx - ady 180-10 Pinned Harman (E)



15. Why the demand curve slopes downwards?

(1) Income effect:

If price increases and income (\bar{y}) ramains unchanged Real income $(R.y.)_2 \underline{\bar{y}}$ decreases. Hence, ad decreases.

Example:
$$7_0 = 10$$
 $P_0 = 10$
 $P_0 = 10$
 $P_1 = 10$
 $P_1 = 2$

Pen = $\frac{10}{2} = 5$

lost 5 pen

(3) Substitution effect:

If price increases, good becomes expensive relative to other goods, people move to cheaper goods.

(3) Law of Diminishing Marginal Utility (LDMU):

As people comsumes successive units of the same good continuously, people get lesser utility.

Ex-Eating bananas continuously will decrease the utility of banana

(4) Usage in product:

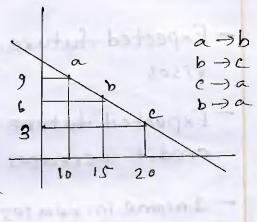
when price increases, people use goods for important work I need.

this the transferment age still

Ex- Cooking and electricity, plastic

16. Change in Qd:

- when only price changes, there is change in Od
- Quantity demanded indicates ishi imovement along the curve, not shift of curve.



- Qd = + (P, y, Taste, Expense, Wealth, price of related product

17. Change in demand:

in amazine strong street

- when other-things except price changes, there is change in demand.
 - change in demand indicates ishift iof the curve, not movement along the curve.

Increase in demand

Decrease in demand

0. D.

18. Reason for increase and decrease in demand:

Increase

- -Price of substitute goods rices.
- Price afe complementary goods Price of substitute comp. decreases
- Expected future price rises
- Expected tuture income credit increases
- Income increases
- Population increases

Pecrease e substant

- Price of substitute goods decreases.
- goods increases.
- Expected future price decreases
- Expected future i/c decreases.
- Income decreases
- Population decreases

Exception to the law of Demand: 49.

- (1) Change in habit / taste.
- (2) Change in income.

Ry. =
$$\frac{70}{P_0} = \frac{10}{1 - 10}$$

$$P_1 = \frac{71}{P_1} = \frac{20}{2c} = 70$$

- (3) Substitution price increase
- (4) No substitution. (salt)
- (5) Change in future expectation
- (6) Griffen good (PT, QdT; PJ, QdJ)
- (7) Aristocratic consumption

20. Supply analysis:

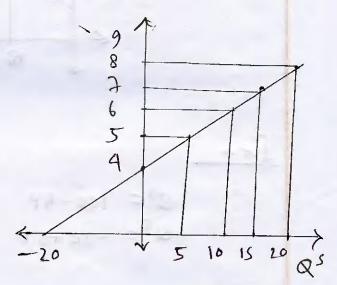
Supply:

Supply, os, scypply scedule, Law of supply (PT, ast; PI, a'), Ex:

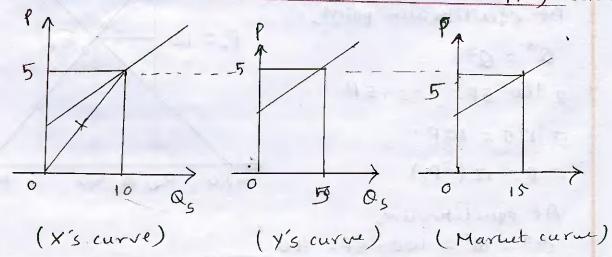
- supply scedule:

1	1
P	QS
5	5
5 6 7 8	10
7	12
8	5 10 15 20 25
9	25

- Supply curve



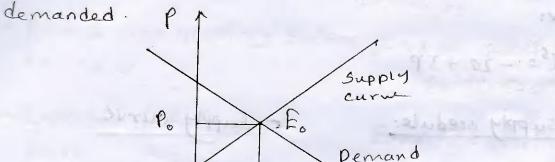
21. Individual supply curve and market supply curve:



22 1 Equilibrium:

-Equilibrium is such a situation where economic forces have no tendency to change.

Here, at equilibrium point, Quantity supplied = Quantity



os/ad!

$$\frac{fx}{Q^{d}} = 100 - 5P$$

$$Q^{s} = -20 + 5P$$

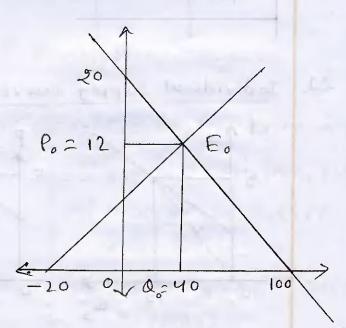
we know,

At equilibrium point,

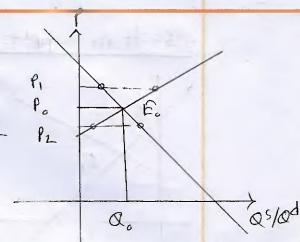
Qd = QS

9 100-5P=-20+5P

At equilibrium, Qd = Qs = 100-5P= 40



At P, os > od - p Excess supply Po At P2, os < od -> Excess demand P2

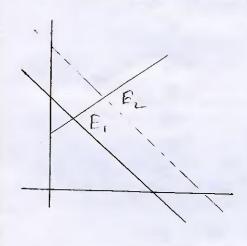


23. Shifts in the supply curve:

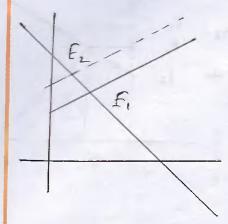
- Input price
- ~ Technology
- Expectations
- No. of seller

24. Analyting changes in equilibrium:

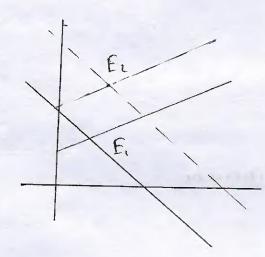
- Shift in demand:



- Shift in supply:



- Shift in both supply and demand.



25. 27. Elasticity:

Q. Why we should study elasticity?

- To study percentage change

Q. what is elasticity?

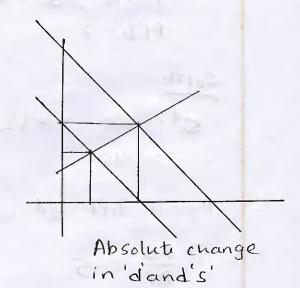
Elasticity is a measure of responseness of 24/05 to a change in its one of determinanty

a. what is price elasticity of demand?

Measure of quantity demanded to change in its price.

PED = Percentage change in od

Percentage change in price



Son?

$$PED = \frac{DQ}{\Delta P} \times \frac{P}{Q}$$

$$= \frac{4}{-2} \times \frac{10}{20}$$

$$= -1$$

Implication: When, price decreases by 100%.

Qd increases by 100%.

$$6x - Q^4 = 100 - 5P$$
 $P = 12 - Q^4 = 40$
 $PED = 9$

Soln:

$$Q^{d} = 100 - 5 \times 12$$
= 40

Again, diff. ad w.r.t. P

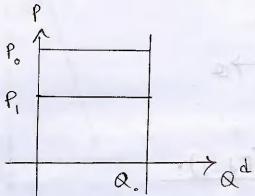
When price increases by 100%.

Od decreases by 1507.

26. Types: Total outlay method (Marshall)

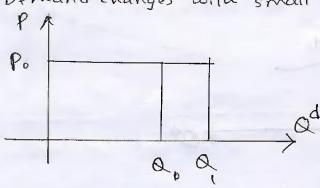
1. Parfectly inelastic demand (ED=0):

Demand does not change with the change, of price

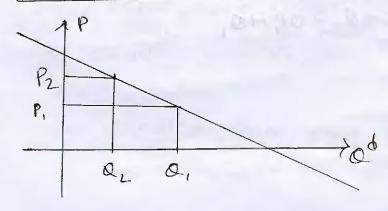


2. Perfectly elastic demand (ED20):

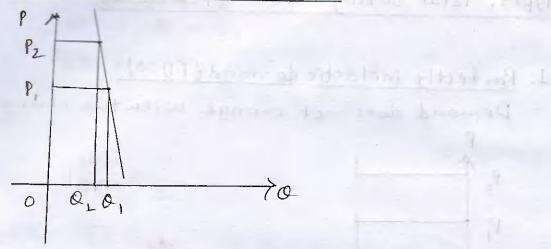
Demand changes with small change of price.



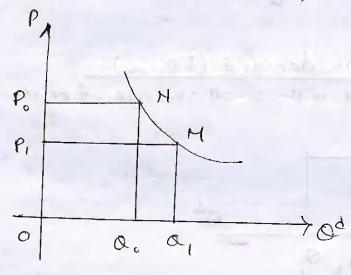
3. Flastic demand (ED20):



4. Inelastic demand (OCEDLI):



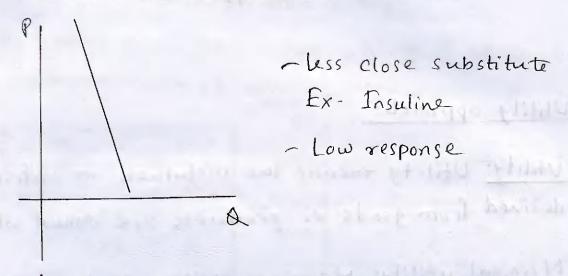
5. Unique elasticity (Ed =1):



- Rectangular hyperbola
- Area = OPOHQ = OP, MQ,

factors that influence elasticity: demand:

- Claseness of substitute:



skonerale philosopa - 5

- less close substitute Ex- Insuline
- Low response

- ~ More close substitute Ex: TV
 - More response

- Proportion of income spent:

More spent, more response

Ex: Chewing gum vs. house

Time ellapsed since price chang:

28. Theory of consumer behaviours

1. Utility approach

2. Indefferent curve approach

29. Utility approach:

Utility: Utility means the usefulness or satisfaction derived from goods or products are called utility.

Merginal utility: Merginal utility is the net edition to the total utility derived from consumption of an additional unit.

MU = dTU = change in total utility

change in quantity demanded

 $MU_n = TU_n - TU_{n-1}$

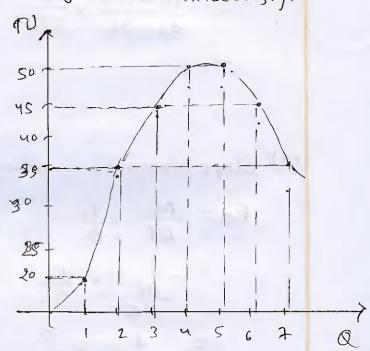
Total utility: Total utility is the sum of all merginal utilities derived from consumption of all units of a good or service.

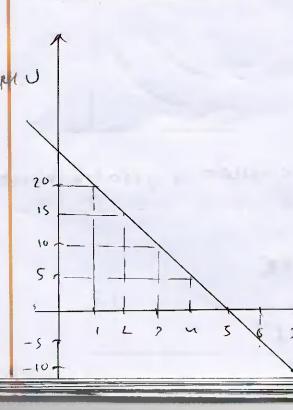
TUn= MU,+ MUZ+MUz+...+ MUn

30. Law of diminishing merginal utility (LDMU);

- An individual gets lesser utility from consumption of successive units continuously.
- An individual get lesser utility if he consumes successive units of same goods continuously.

	ਤਾ	,
Units	TU	MU
1	20	20
2	35	15
3	45	10
4	50	5
5	50	0
6	45	-5
7	35	~10





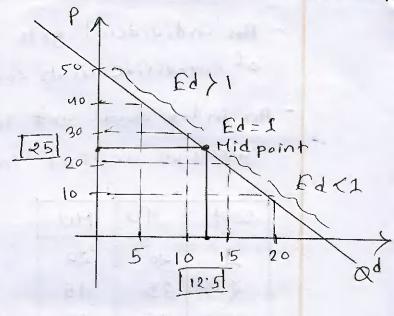
- It is a psycological thing. cannot be quantified
- MU varies from person to person
- n Mu of money doesn't remain
- tora single commodity.

31, why elasticity varies along a linear demand curve

$$Ed = \frac{\Delta Q}{\Delta P} \times \frac{P}{Q_0}$$

$$= \frac{10 - 12.5}{30 - 25} \times \frac{25}{12.5}$$

$$= -1$$

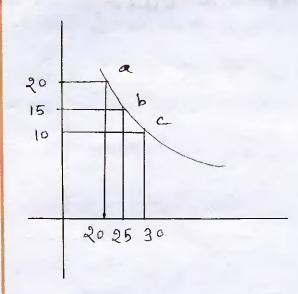


$$Ed = \frac{\Delta Q}{\Delta P} \times \frac{P_0}{Q_0}$$

$$= \frac{1}{\Delta P} \times \frac{P_0}{Q_0}$$

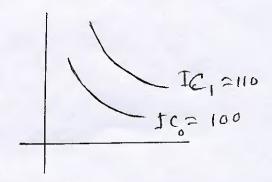
(2) Percentage change of smaller or greater number matters

32. Indifferent curve:

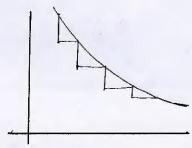


33. Properties of Ic:

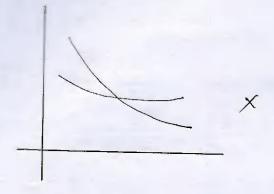
- (1) ICs are negatively sloped.
- (2) Higher IC shows higher utility.



(3) ICs are convex to origin.

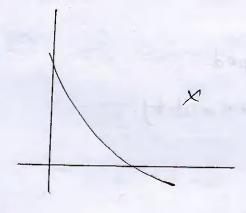


(4) 1(s cannot intersect each other,



(5) ICs do not touch the axes.

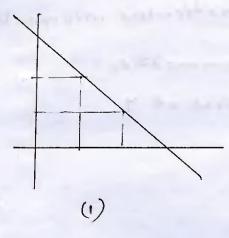
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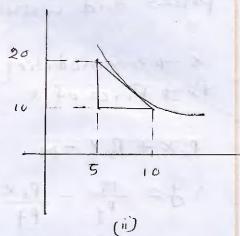


34,

BM. Marginal rate of substitution (MRS):

MRS isleasures the rate at which the consumer is just willing to substitute the one good for other.

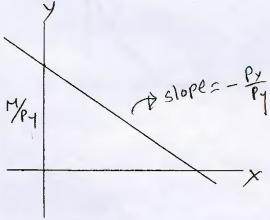




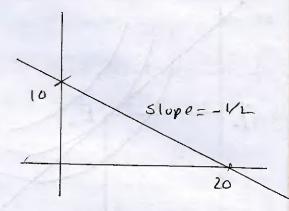
Slope of IC = MRS = dy

35. Budget-line:

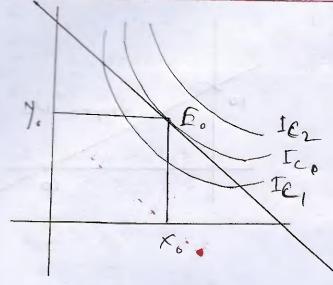
It shows all the combinations of two commodities that a consumer can afford at given market prices and within the particular income level.



Ex: Px +5, Py +10, M=100.



36. Consumer's equilibrium and utility minimitation:



37. Production:

- what is production?

The processes and methods used to transform tansible and intansible resources into outcome is called production. tansible + wood intansible + 18

France Bond it maded .

- what is production function?

Production function relates physical inputs into outputs. P(4)= F(K,L);

K-+ Capital

Land, Labour, Capital and Enterpreneus.

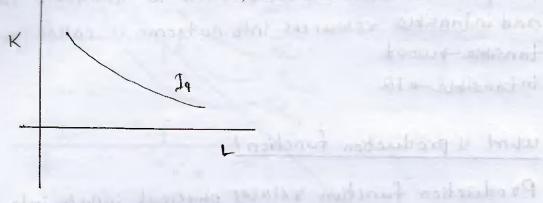
o what is short run?

In economics, short run means, at least one factor of production remains constant.

Shortner production function: 7= f(k,1) or f(k,1)

- What is long run?

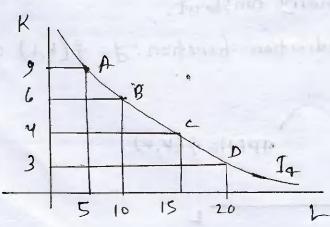
All production factors will vary, long run production function: 12 + (k,L)

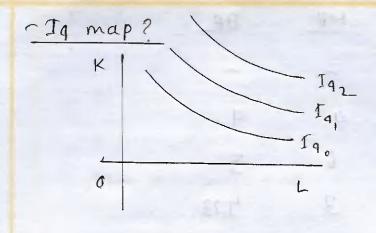


- what is isoquant?

Shows same level of production produced byith the help of different combinations of two inputs.

Combinations	7 1	K	Output	harly -
a A	5	9	100	A: 5L+9K=100
В	10	6	100	B: 10 L + 6 K=100
C	15	ų	100	C: 15L+ 4K=100
Day	20	3	100	D: 20 L + 3 K = 100





- By Iq-maps, it is possible to say how much production is greater thanor less than on one sproduction curve than other.

Labour

Total product:

It is the summation of all products produced by the different factors of production.

- Average product:

His the ration total product and Labour.

AP = TP

- Merginal product:

It is the net edition of total product produced from using an extra labour.

$$MP = \frac{dTP}{dL}$$

Labour	TP	мр	AP	
0	0	<u></u>	-	
1	4	4	4	
2	10	6	5	
3	13	3	4.33	
Ч	15	2	3.75	
5	16	\mathcal{A}	3.20	
TP		Hey In 1	radon surra	
16	San the	1	nation - + 0	
15		-	· treeses	
10		2019		
4		ad Junta	- handar	
0	2 3 0	1 S L		
MP, PG MPYA	rP.		Hambar	
Hr. e		-lo e-l =00	dika tair	
5 7	- THP=	AP	atal and a	
uff	1	MPK	AP .	
3	*		AP	
2				
MP				
0 1	2 3	4	51	

- Herginal

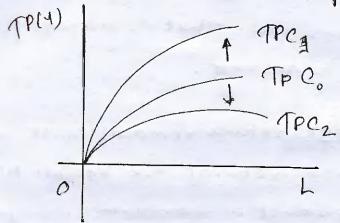
- Relationship between MP and AP:

- As long as marginal return exceeds the average return, each average return will be larger than the previous one. That is, average renturn continues to increase.
- The average return remains const. when average and marginal returns are equal. Also when, average product is maximum, marginal product is equal to average product.
 - r When marginal product goes below average product, average product starts to decrease.

 Beause, new marginal is lower and it bings average down.

38. Productivity and technological change:

when technology improves, production for shifts upward when technology deteriorates, production for shifts downward



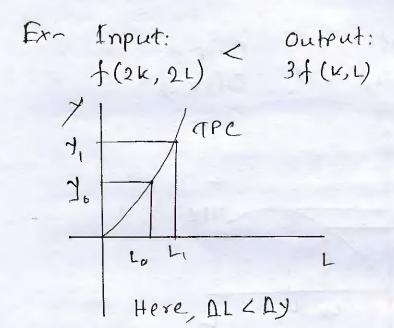
39. Law of Returns to scale:

The law of returns to scale examing the relations ship between output and the sale of inputs in the long run when all inputs are increased in the same proportion.

Rate of 11 of input () Pate of 14 of of (output)

(1) Increasing returns to scale:

Proportional change < Proportional change in input < in output



(1) Constant return to scale:

Proportional change
in input = proportional change
in output

Ex - Input:
+ (2K, 2k) = Output:
2+(K, L)

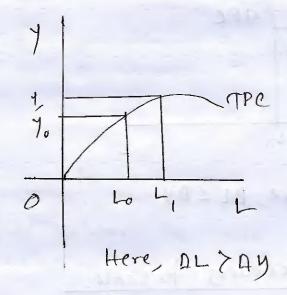
TPC

Here, DL=Dy

(Decreasing returns to scale:

in input put proportional change

Ex: Ipput: Output: + (3K,3L) > 24(K,L)



40. Cost:

- Total costs

Total cost is the cost of all type of factors of production it uses.

TC = TVC + TFC

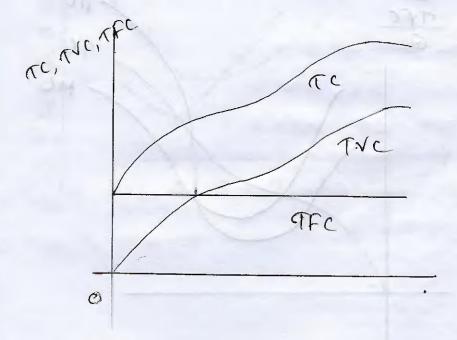
CTRIM Jahrengton

- Total variable rost,

Total variable cost is the cost of all variable factors of production it was.

Total fixed cost:

Total fixed cost is the cost of all fixed factors of production it uses.



- Marginal cost:

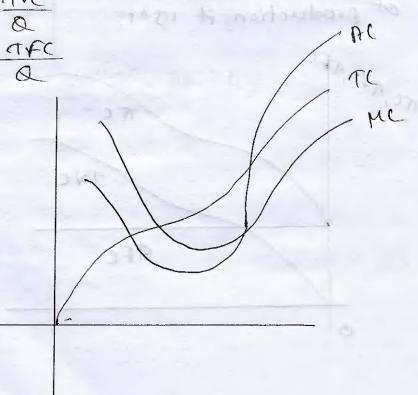
Marginal cost is the neat addition of total cost arising from the production of extra one unit of output.

MC = dTC

Average cost:

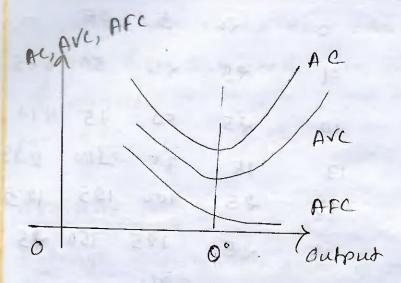
Average cost is the ratio of total cost and the number of unit produced

AC= TC , AC= AFC+AVC



	pe bi	Labour	Output	TFC	TVC	1c	Me	AC		
	A	0	0	20	5	25	-			
	В	1	4	25	25	50	6.25	12.2		
	C	2	10	25	30	75	4.14	7.5		
	D	3	13	15	75	100	8.33	4.4		
	E	4	15	25	100	125	12.5	8.33		
	F	5	16	25	125	150	25	9-375		
	, MC, PC24 22				De					
£c	, rx 22 1			1						
1	2.6									
	16				MC					
	19.		/	1	pro	= 54				
	12 +		1							
	8	and a strategy that we have the								
	6-									
		A The state of the								
	2	-11	-11	. 1		>				
ude o	Likery to	1 2	3 4	5 L	abour	En 1 195-41	· ()			

al. Why AC curves are 'u' shaped ?



TC= TFC+ TVC

7 AC= AFC + AVC

At the left of 0°, when 01, AVCL And, or, AVCL

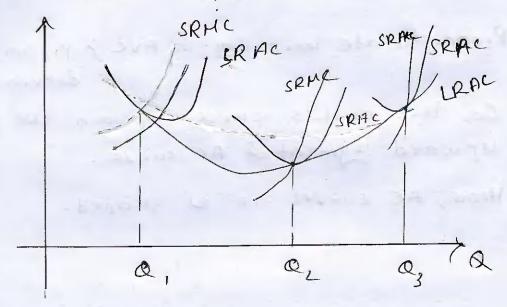
So, Ac decreases with increase of production. We get the down ward segment of Ac curu

At the right of 0°when, 01, AFCI
and, 01, AVCT

Proportionate increasing in AVC & Proportionate decreasing in AFC So, this pushes curve upward. We get the upward segment of Ac curve.

Hence, AC curves are 'U' shaped.

- 42. Long run cost (All the factors of production varie.
 - why long run AC is the envelop of short oun Ac ?



Extend:

$$C = b_0 + b_1 x + b_2 x^2 + b_3 x^3$$

$$TFC = b_0 | TVC = b_1 x - b_2 x^2 + b_3 x^3$$

$$AFC = \frac{b_0}{x} | TAC = b_1 - b_2 x + b_3 x^3$$

$$TC = TVC + TFC = b_1 b_1 x - b_2 x^2 + b_3 x^3$$

$$AC = AVC + AFC = \frac{b_0}{x} + b_1 - b_2 x + b_3 x^3$$

$$MC = b_1 - 2b_2 x + 3b_3 x^3$$

43. Market:

- what is market 9

Market is Just a processor mechanism through which buyers will buy and sellers will sell.

- what are the different types of market structure?
 - 1. Perfectly competitive market
 - 2. Imperfectly competitive market
 - Monopoly
 - Duopoly
 - Oligopoly

Pem

- Monopsony
- a Monopolistic competition

qu. Difference between PCM, ICM1a

Oligopoly

1. Large no. of C. Large no. of
buyers and buyers and yew
sellers.

Ex-Rice market Ex-Brandshop

ICM

Monopoly

1. Large no. of buyers but single seller. Ex - wasa.

$$P = \frac{d\pi}{d4}$$

$20 = 4 + 24$

" $Q = 8$ (Equilibrium output)

(Arrs)

Profit, $\pi = \pi R - \pi c$

= $P \times ql - (16 + 4 + 4 + 9^{4})$

= $20 \times 8 - (16 \times + 4 \times 8 + 8^{4})$

= $160 - 16 - 32 - 64$

= $160 - 112$

" $\pi c = 48$ (Arrs)

Market supply, $Q = 100 - p$

= $100 - 20$

= 90 (Arry)

Ho. of firms, $N = \frac{Q}{4}$

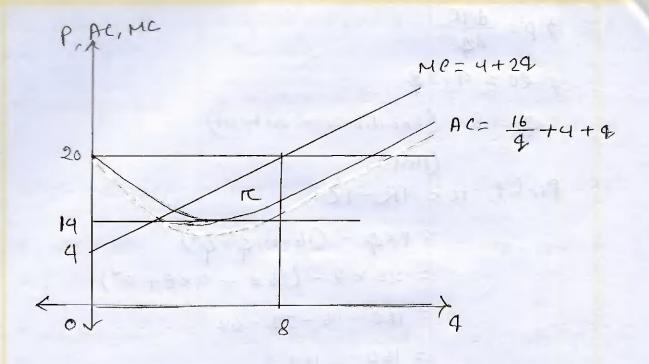
= $\frac{80}{8}$

= 10 (Arry)

 $Mc = 4 + 29$ | $Ac = \frac{\pi c}{4}$

= $4 + 2 \times 8$

= 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |



46. Duopoly: Two seller, large buyers

Monopsony: One buyer, large no. of seller

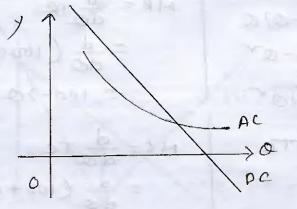
47 Monopolistic competition (Monopoly + PCM)

Example: Soap industry.

- Exists freedom of entry.
- There is a symmetry in product.
- large number of buyers.
- Each firm faces a downward demand curve.

48. Why monopoly arises?

- Natural barriers to entry.



- Legal barriers: Ex-Patent right
- ownership.

Soln!

$$P(R = P \times Q) = \frac{d}{dQ} TR$$

$$= (100 - Q)Q = \frac{d}{dQ} (100 Q - Q^{2})$$

$$= \frac{d}{dQ} (100 Q - Q^{2})$$

$$= 100 - 2Q$$

$$MC = \frac{d}{dQ}TC$$

$$= \frac{d}{dQ}(100 + 4Q^{2})$$

2 80

Prohit,
$$\star = TR - TC$$

$$= (1000 - 0^{\circ}) - 40^{\circ} + 10)$$

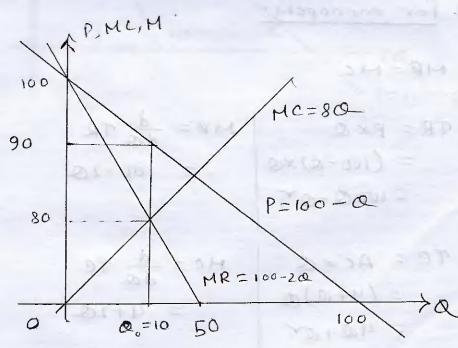
$$= (100 \times 10 - 10^{\circ}) - (4 \times 10^{\circ} + 10)$$

$$= 900 - 410$$

$$= 490$$

Graphical representation

P= 100 = 9



- Calculate eqm Q, P, A for monopoly.
- Show graphically.
- Calculate for pem.
- · Show graphically.
- Calculate DWL due to the presence of monopoly.

-37-97 - W. 37 -4

- Show graphically. - -

Solm:

A for monopoly:

$$TR = P \times Q$$

$$= (100-0) \times Q$$

$$= 1000-0$$

$$= 1000-0$$

$$TC = Ac \times Q$$

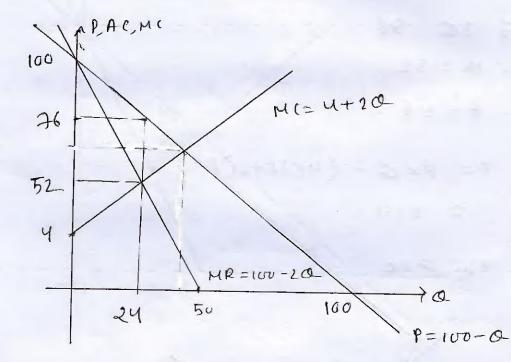
$$= (4+Q)Q$$

$$= 4+2Q$$

$$= 4+2Q$$

 $\pi = TR - TC$ = $(100Q - Q^{2}) - (40 + Q^{2})$ = $(100 \times 24 - 24^{2}) - (40 \times 24 + 24^{2})$

= 1152



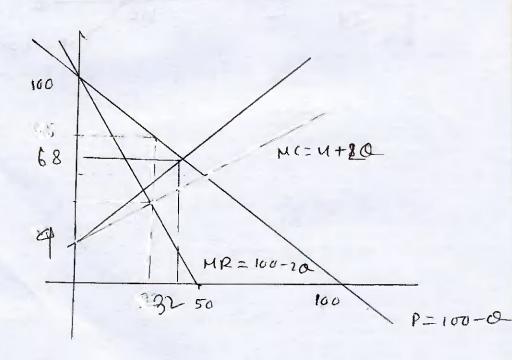
Afor PCM:

P=MC

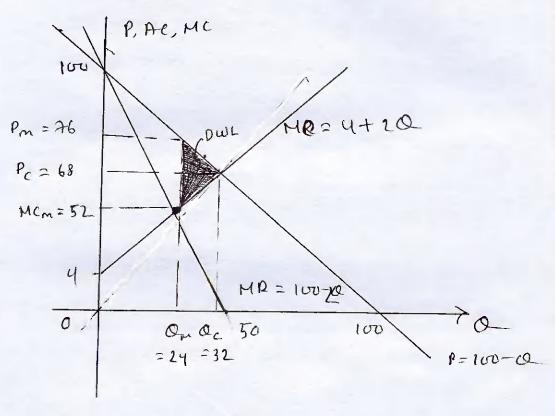
$$\pi = P \times Q - (u \times 32 + 32)$$

= 102 U

Km >xc



Dead weight loss: It is the postion of production that is lost torever. Neither government, nor population gets the lost partition.



$$DWL = \frac{1}{2} \times (P_{11}^{11} - P_{2}^{1}) (Q_{1} - Q_{1})$$

$$= \frac{1}{2} \times (26 - 52) (32 - 24)$$

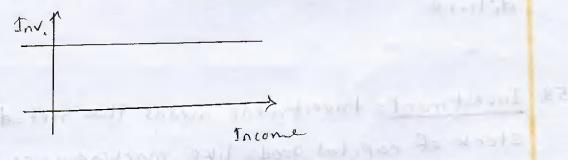
$$= \frac{1}{2} \times 24 \times 8$$

$$= 296$$

- 51. Saving:
 - Saving= Disposable income Expenditures
 = (Income Tax) Expenditures
 - 52. Savings: The amount which a man saves out of income after he has incurred his consumption expenditure
- 53. Investment: Investment means the netaddition to stock of capital goods like machinery, equipments factories etc. over a period of time.
- 54. Types of investment:
 - Met investment: Gross investment pepreciation
 - Ex-ante/Plannedinv.: Govt. inv.
 - Ex-post/regalised inv.: Can be known ofter inv.
 - Public inv: Govt inv.
 - Private inv. By private individuals

From the point of view of the theory of income and employment, the more important classification of investments into is autonomous and induced inv.

- Autonomous investment: Which do not depend on inc
- 1. Independent of income level.
 - 2. Income-inelastic.



3. Dependant on population growth and technical progress

Ex: High Long range investments in houses, roads, public buildings etc.

- Induced investment: which varies with national inc. IIN.
 - 1, HI T I.inv. T
 - 2. Income-elastic
 - 3. Influenced by profit motive
 - 4. Sensitive to change in income

55. Importance of investment:

1. Employment depends upon effective demand. There are two major constituents of of effective demand investment and consumption.

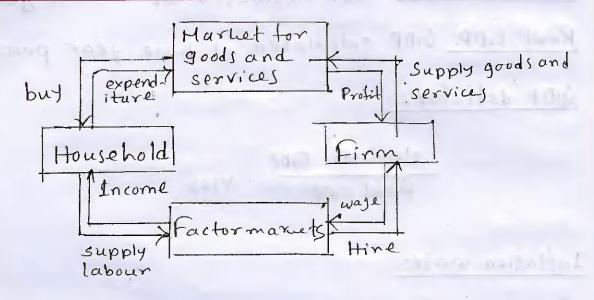
Effective demand = Investment + Consumption Investment is more volatile and unpredictable and more strategic variable.

- 2. Employment depends on investment.
- 3. If inv. 1, emp. 1 + inc. 1 + cons. 1 + gr. 1

36. factors affecting investment:

- Investment depends on -
 - (a) Rate of interest
 - (b) Expected rate of return
- If rate of rate of investment will continue
- Investment depends on capacity of firm. It a firm has excess capacity and can handle increased future demand, it will got go for further investment.

57. Cincular flow of income:



58. GDP (Gross domestic product):

GPP is the market value of the final goods and, services produced within a country in a given period of time.

Components of GDP = C+I+G+HX= C+I+G+(X-M) Y2 GDP

C= consumption

I= Knvestment

G= Govt. expenditure

HX= Het export

X= Export

M= Import

59. Ways to measure GDP:

There are 3 ways to measure gap-

- (1) Product approach -> Price x total amount
- (2) GDP at factor cost P Rent, Interest, Profit, Wage
- (3) Value added -P All steps are added to final good

60. Nominal GIDP: GIDP calculated at current year prices Real GDP: GDP calculated at base year prices. GDP deflator:

> Hominal GDP X100 Real GOP

Inflation rate:

GDP deflator at yn: - GDP deflator at 1n-1 GDP deflator at you

GDP + Nation's income in abroad - Foreigner inome GHP: 61. Is GDP a well measure of economic well being ? Or, what are the limitations of GDP?

Illigal inomes are not added

towns total court - Jacongs toubsite (A.

applications therefore they be the state of the first in land

soli colt et babbo are illia il a - babbo kulov (s)

62. Exercise-4:

Hear	P. of apple	Q of apple	P. oforange	Q. of orange
2015	\$1	100	\$ 2.	50
2016	\$2	150	43	100
2017	4 3	200	94	150

Calculate NGDP, RGDP, deflator, inflationrate, growth rate?

SolM.

2015-1

N. GIDP = \$1 × 100 + \$2×50 = \$200 R. GIDP = \$1 × 100 + \$2×50 = \$200 deflator = $\frac{$200}{$200}$ × 100 = 100 2016 -

 $HGDP = $2 \times 150 + $2 \times 100 = 600 $RGDP = $1 \times 150 + $2 \times 100 = 350 $deflator = $600 \times 100 = 171.42$

Inflation rates 171.42-100 20.7142

2017-1

 $NGDP = $3 \times 200 + $4 \times 150 = 1200 $RGDP = $1 \times 200 + $2 \times 150 = 500 $DeHator = $1200 \times 100 = 200$ 500

Inflation rate = 240-17142

2 0.4

(Au)

make a company and a substitute

- 63. Monetary policy: That action of central bank that how to manage liquidity of money to create economic growth.
- 64. What are the tools of monetary policy?

1. Open market operation (040):

Bangladesh bank

buys securities

from commertial -> Supply

bank

BB sells securities -> Money L

2. Reserved requirement:

or A -+ ms I
or I -> msA

3. Discount window;

65. Goals Objectives of Monetary policy:

Lance of the second

man by the the man to the file

- Neutrality of money
- Full employment
- Exchange rate stability
- Economic growth
- Price stability

Final Exam Topics 37.1117

- Demand - what is demand, Quantity demand difference y daw of domand ~ exceptions De stopes downward = why?

Masket demand curve; Equilibrium de ego testion nos - Causes of changes in demand Consumers surplus - Cost Market ~ what is? _ restricted 21/02 Ad Structum Monopoly/P. competition Dwb 124 722 E STATE ~ GOP/GHP - what) Math work wind france - Well ornod? CIH to sormore Idal & dH forth

15.0 f. HE Slopischuss of a whality of money full employment till employment

FILL OWNER STROUGH