

Date :	
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Chi Nature And Scape () 13usiness Economics

General definition of the study of Economics is individual and social choice in the face of scarcity. The law of scarcity implies that consumer's wants will never be completely satisfied. Fromomic problems arise due to two reasons:

- b) scarce resources

"Olkonomia' meaning 'household' Management.

- > Figuranics is a science that studies those activities, which are, concerned with the efficient consumption, production, exchange and distribution of scarce means which have alternative uses.
- The purpose of economics is to achieve maximum satisfaction of wants and increasing of welfare as well as economic growth.

- 2. Meaning of Business Economics

 Business Economics is also referred to as Managerial Economics. It is application of economic theory and
 - Every business involves decision-making as survival and success depends on sound decisions.



Decision making means the process of:
1. evaluating various course of action

2. making national judgment on the basis of available information, and

3. selecting i.e making choice of a suitable alternative by

decision maker.

- · Decision making is not simple and straight forward. It has become very complex due to ever changing business environment, growth competition, large scale production, big size of business houses, complex laws, cost awarness, etc. in other words the economic environment in which the firm operates in very complex and dynamic.
- · Business Economics provides a scientific base to the professional management of a business activity. It provides tools like budgeting, market analysis, cost-benefit analysis, etc. which can be scientifically applied to take sound business decision. Thus, Business Economics is a sub-branch of Economic which aims at the scientific application of economic knowledge, logie, theories and tools to take national business decision. Thus it is an APPLIED ELONOMICS.
- · Business Economics is closely connected with both VIZ, Mioro Economic Theory as well as Macro Economic Theory. It is also useful to the manager of not-for-profit organizations.

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3. Definitions of Business Economics

· Business Economics in terms of the use of economic analysis in the formulation of business policies. Business

Economics is an essentially component of Applied Economics
as it includes application of selected quantitative techniques
such as linear programming regression analysis, capital
budgeting, break-even analysis and cost analysis.

(Joel Dean)

· "Business Economics is concerned with the application of economic laws, principles of methodologies to the managerial decision making process within a business firm under the condition of risk and uncertainties." (Evan Douglas)

4. Types of Evenomics 1. Microeconomics: Microeconomics is the study of particular firm, particular household. Individual price, wages, income, industry and particular commodity. Thus, it is a study of a particular unit rather than all the units combined. Microeconomics theory deals with the problem of allocation of resources. Under microeconomics, we study:

a) Theory of product pricing / price theory

b) Theory of consumer behaviour

e) Theory of factor pricing

d) study of a firm.



Macroeumomics: Macro economics theory is that part of of economics which studies the overall average and aggregates of the system, such as total production, total consumption, total saving and total investment. Thus, macroeconomics is the study of overall phenomena sas a whole nother than its individual parts. Macroeconomics deals with growth and development of resources. Under macroeconomics, a) Theory of national income, employment and money
b) Theory of general price level
c) Theory of economic growth and development
d) Theory of international trade



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18	MARIONE	economics units.	a whole and its aggregates.
alcoise	(A) 3.8	con to take dicipion and fran	att signarious afficient and
Deal with		It deals with individual	It deals with national
	1500	income individual prices and	income, price level, national
	nies i	individual output etc.	output, etc.
deusien	th the	THE STATE OF THE PROPERTY AND STATES OF STATES	Consider the Carly Decouples of the Carlo
Tools	mond	Its main tools are demand &	Its main tools are aggregate
langelus	ที่นั้นธ	supply of a particular	demand and aggregate supply
		commodity.	of the economy as a whole
Central Pru	oblem	Its central is price determina-	Its central problem is
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ai and	Abusi	production.	income and employment.
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Type of and	lysis	It is a partial equilibrium	It is a general equilibrium
9. 0	b) the	analysis:	analysis.
tical	mid i	es his own about it the fix mental ed right	H BUSINISS Edmini
Supe	Y SID	Its scope is limited	It is wider in scope.
Example	tuses	(a) Lock out in TELCO.	(a) Per capita in come
10	mont	(b) Finding the causes of	(b) corporate income tax
inig	13))	failure of X and co.	(c) Economy growth



6 Nature of Business Evenomics

1 Business Economics is a science: Science is a systematized body of knowledge which trace the cause and effect relationships. Business Economics uses the tools of Mathematics, Statistics and Econometrics with economic theory to take decision and frame strategies.

Thus, it make use of scientific methods.

- Thus, it make use of scientific methods.

 2. Baxd on Micro-Economics: As Business Economics is

 Concerned more with the decision

 making problem of a particular business establishment. Micro

 level approach suits is more. Thus, Business Economics largely

 depends on the techniques of Micro-Economics.
 - 3. Incorporates elements of Marco Analysis: A business unit is affected by external environment of the economy in which it operates. A business is affected by general price level, level of employment, govt. policies related to taxes, interest rates, industries, exchange rates, etc. A business manager should consider such mavo-economic variable which may affect present or future business environment.
 - 4. Business Economics is an Art: It is related with practical application of laws and principles to achieve the objectives.
 - 5. Use of Theory of Market & Private Enterprise: It uses the theory of market and resource allocation in a capitalist economy.



- 6. Pragmatic approach: Micro-Economics is purely theoretical while, Business Economics is practical in its approach.
- 7. Inter-disciplinary in nature: It incorporates tools from other disciplines like Mathematics,
 Statistic, Econometrics, Management Theory, Accounting, etc.
- 8. Normative in Nature: Economic theory has been developed along two lines POSITIVE and NORMATIVE

1	Positive science	Normative science
The state of the s	1. Robbins	Alfred Marshall
X	2. What it is so a singly sill	what should be or ought to be
	3. Based on analysis, facts,	Based on ethics
Y	realistic Mandalan Series	LU Kalus Anoma Neml. ve
	4. Will not pass value Judgement	Will pass value Judgement
-	(not give solution)	(gives solution)
-	5. E.g. India is an over populated	
	country.	started to control population.

A positive science or pure science deal with the things as they are & their CAUSE and EFFECTS only. It states 'what is'? It is

DESCRIPTIVE in nature. It does not pass any moral or value judgements.

A normative science deals with what ought to be or what should be. It passes value judgments and states what is right & what is wrong / it is PRESCRIPTIVE in nature as it offers suggestions to solve problems. Normative science is more practical, realistic and useful science.

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Scope of Business Economics

The scope of Business Economics is wide. Economics
theories can be directly applied to two types of business
issues namely—

- Micro-economics is applied to operational or internal issues of a firm.
- ≥ Macro-economics is applied to environment or external issues on which the firm has no control.
- 1. Mivro-economics applied to operational or internal;

Issues like choice of business size of business, plant layout, technology, product decision, pricing, sales promotion, etc. are dealt by Micro-economic theories. It covers-

- · Product and cost Analysis

- · Inventory Management
 · Market structure and Pair
- · Market structure and Pricing Analysis
 · Resource Allocation
 · Theory of Capital and Investment Decisions
 · Profitability Analysis
 · Risk and Uncertainty Analysis

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2.	Macro-economics applied to environment or external issues.
	The major conomic factors relate to
	· The type of economic system
	· The stage of business cycles
/ /ba	· The general trends in national income, employment, price,
MARS	saving and investment.
	· Government's economic policies
	· Working of financial sector and capital market
	· Working of financial sector and capital market · Socio-economic organizations
	· Social and political environment
	These external issues has to be considered by a firm in
	business decision and frame its policies accordingly to
	minimize their adverse effects.
	5 Competition existing on authors
1104	Central Economic Problem (scarcity)
1.	what to produce (capital goods, consumer goods)
2.	How to prioduce (capital use capital, labour use labourer)
3.	From whom to produce (poor or rich, in india it gives to poor
11	for upliftment)
4.	What provision should be made for economic growth.
	6 Imposation & technological programs
	when are goods produced?
	¿ not an economic problem.
	How much to produce
	3 Exploitation of consumer and labourer with the
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2. Markey sustains the Ediza in Elevision

5. Price mechanism

2. Market system

Free markets

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2,	Socialist Economy
	FEATURES STOP IN THE PROPERTY OF THE PROPERTY
1.	It is known as command economy, controlled economy,
	centrally planned economy
2.	Collective ownership of means of production Promote welfare of people
3.	Promote welfare of people
4,	Lack of competition
	MERITS
1.	Balance economic development
2.	No class conflict
3.	Economic Fluctuation & unemployment are minimized
4.	
5.	
	DEMERITS
1.	Corruption, Red tapism, results into inefficiency
2.	No freedom of choice Price are administered by state
3'	Price are admiristered by state
3.	Mixed Economy
	FEATURES
1.	
2.	Combination of both capitalism & socialism Freedom to join any occupation trade or business
3.	People are free to consume goods of their choice
	MERITS
ill India.	
on _2.	Encourages enterprise & Risk taking Inovation in India
pto lolac	Encourages enterprise & Risk taking Inovation in India Development of technology through R&D vaccine & UPI Economic & social equality possible
4.	Elemenic & social equality possible



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- Poor implementation of plans
 High level of taxes \$106 \$72 tax
 Good level of corruption
 Wastage of Resources



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8	Ragnar Frisch 1933 In 19th century Study of Human
ali	Kagnar Früsch 1933 In 19th century study of Human Loslouniversity) Political Economy Behaviour
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	1776 / Greekword Allocation of
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	Alfred Marshall Oiko-nomos/ P-> Profit
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	Management)
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*	The word Economics is associated with scarcity.
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*	Unlimited wants and limited resources is the subject matter of economics (Resources have ulternative uses) Wants are also called as ends & Resources are also called as means
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* Rent, Interest, Wages, Profit

Human	Micro Economics	Macro Economics
×1.	Micro Economics Product Pricing (Price Theory)	National Income / output
	The state of the s	
2.	Consumer Behaviour	Price Uvel Sinflation diflation
ilence	Francoules to the second	diflation
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3.	Factor Pricing [R,I,W,P]*	Balance of Payment
121	single and single	of the same of the
211/4/2	Factor Pricing [R,I,W,P]* Single Behaviour of a firm	Exchange Rate 15=81
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mailu5.	Problem in 'Y' LTD	Per capita Income
		Obstantial Obstantial Parket
6.	Demand analysis & Forecasting	Corporate Income Tax
	Forecasting	
	in associated with society	Savings Pand investment
10 Tangelle	Market Structure	Savings Pand investment
0		MICHAEL STATES
8,1	Location of industry (Industry ka location)	Social and Political
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0.	June 1 ly one Post	1. Land male
	Income from Railways	Interest rates
10.	Allocation of Recourses	Califal Favoralia
10.	Allocation of Resources	Capital Formation
Axx 113	Particular industry	DR DRAMBETECHNON *
	Particular industry eg; steel industry	THE TOTAL PROPERTY OF THE PARTY
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		and the control of th



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	Positive Science	Normative Science
1.	Robbins	Alfred Marshall
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2.	what it is	what should be
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	realistic	Charles Res Parket
	Bunnieta kannynis Channy	May be the Charles of Beautiful
4.	Will not Pass value judgement	Will pass value judgement
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5.	Supports Neutrality	Does not suppor Neutrality
	The contract of the or had to every be the second	and market problems and
6.	Descriptive in Nature	Prescriptive in Nature
	Emiliar Charles Charles Charles Charles Ch	
	The second of th	Andrew The Control of
	Central economic Problem	Scarcity
1.	What to Produce	
2.	How to Produce	amilian Sand Charles and Charles
3.	For whom to Produce (Distribution An what Provisions should man	ution of national income)
4.	An what Provisions should may	de for economic growth.
	The state of the s	San Carrier Con Ca
*	When are goods Produced 2	Not a central
12.00	- Comment of the Comm	Problem
	How much to Produce)	
		ACCOUNT CALLED TO THE STATE OF
	Deductive Method	Inductive Method
	General to	Particular to
	Particular	General



Points	to	Remember
		TO THE WOOL

- Business Economics involves practical application of economic theory and has a multi disciplinary approach.
- Macro economics is also called as aggregate economics.
- 3. Capital budgeting, risk analysis, business cycle are within the scope of business economics.

 (accounting standards is not a part of it) (cambeasked for odd

- Larger production of capital goods would lead to higher production in future.
- Social securities benefits, sickness benefits are found under both socialism and mixed economy.
- 6. Science of wealth Adam Smith
- 7. Science which deals with wealth of nation Adam Smith
- Buence which deals with wealth J. B. say I classical economics)
- Growth and development definition
- 10. Welfare oriented definition -> Alfred Marshall, Pigou
- 11. Study of mankind Alfred Marshall
- 12. Scarcity oriented definition --- Robins/Robinson



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Ch3 Theory ()f Proxluction And Cost

Production Goods

Economic activity

· Converting inputs -> outputs (Exchange

· Transformation of Raw material -> Final goods

· Creation Utility

Man cannot oreate or destroy Matter *

Production

Land Labour

Rate of Interest capital

Entrepreneur Profit

Factor

Payments



* If nothing is given Perfectly inelastic supply * hand

Economy's Point of view

Firm Point of view

Perfectly inelastic supply

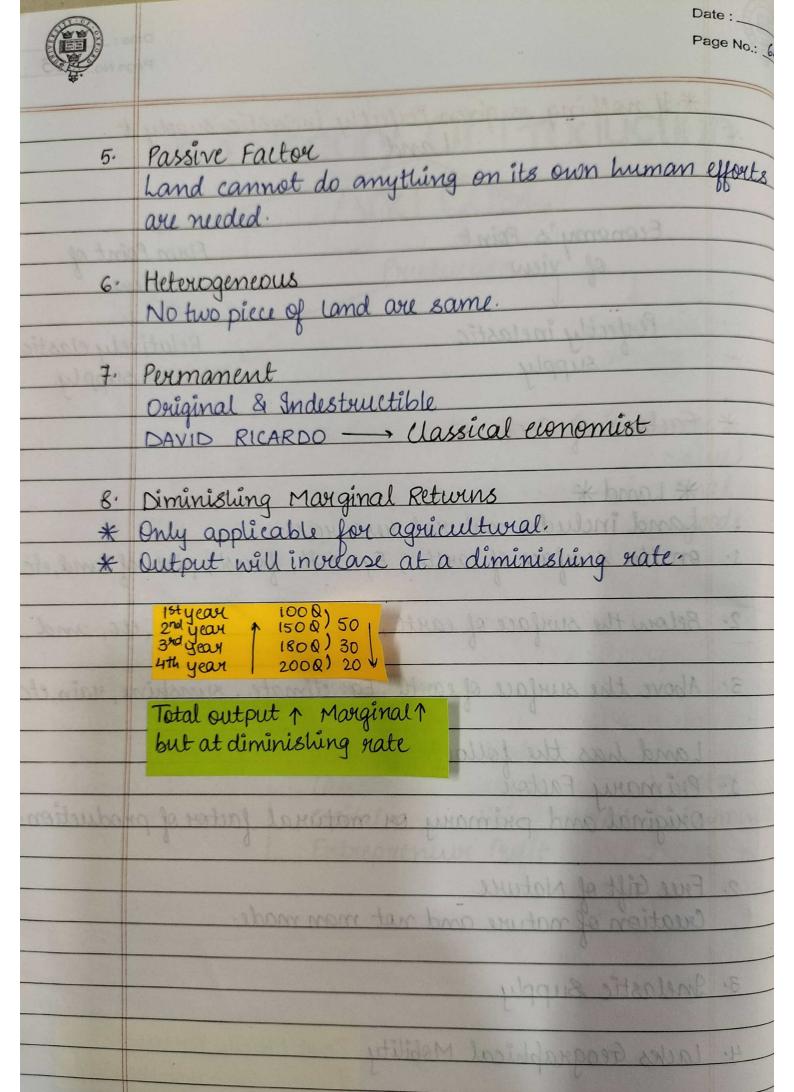
Relatively elastic

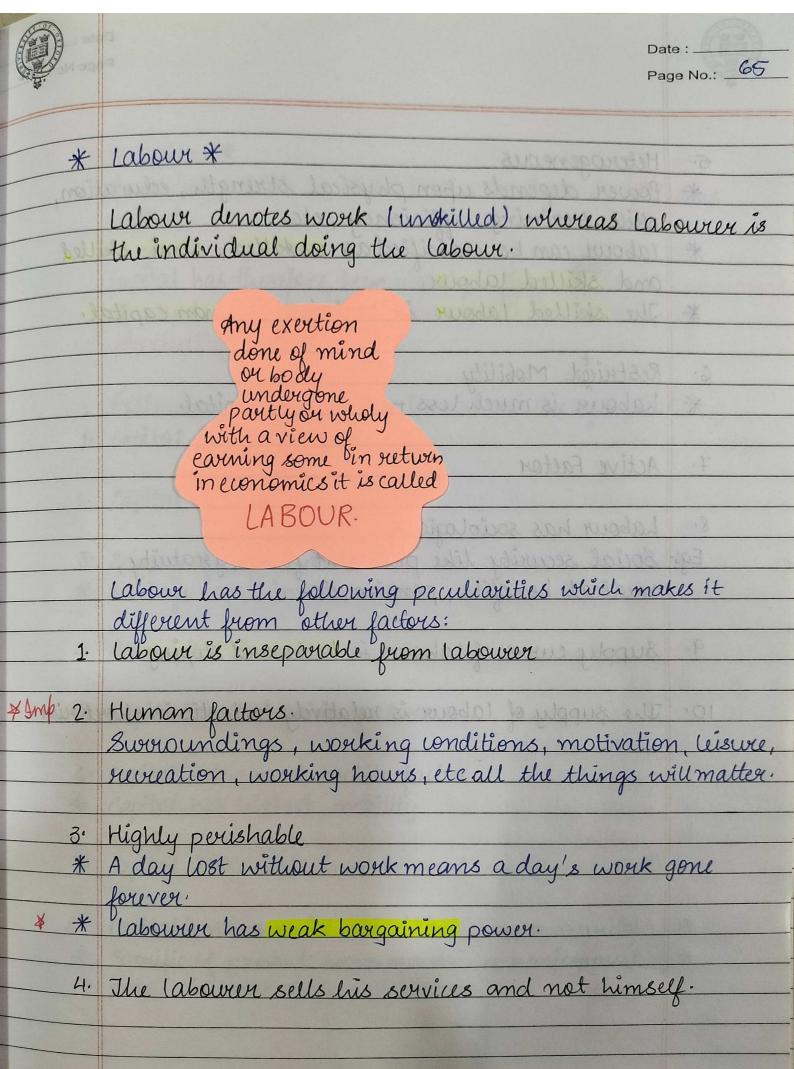
* Factors of Production

- * hand *
 hand includes natural resources:
 1. on the surface of earth; Eg: soil, forest, plots of land, etc.
- 2. Below the surface of earth, Eg: mineral deposits, etc, and
- 3. Above the surface of earth, Eg: climate, sunshine, rain, etc.

- Land has the following characteristics:
 1. Primary Factor

 Original and primary or natural factor of production.
- 2. Free Gift of Nature Creation of nature and not man made.
- 3. Inelastic Supply
- 4. Lacks Geographical Mobility Zero Mobile Factor It has occupational mobility.





* capital *
Anything which is used in the business is called as

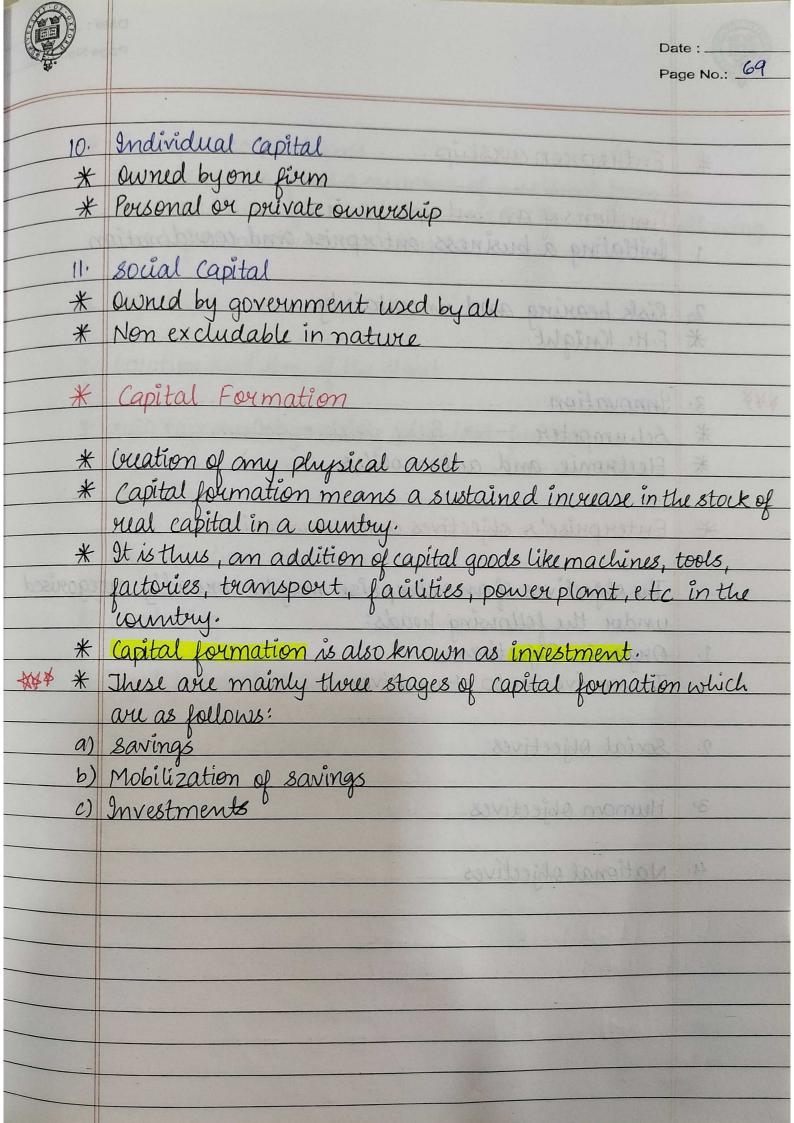
Capital has therefore, been rightly defined as "produced means of production" and as man made instrument of production".

Following are the main characteristics of capital:

1. capital is man-made

- 2. Capital is productive
- 3. Supply of capital is elastic * savings and investments
- 4. All capital is wealth but all wealth is not capital
- 5. Capital is a passive jactor
- 6. Capital is the most mobile factor * Capital has highest mobility
- 7. Capital is durable I can be used again and again)
- 8. Capital involves social cost (kind of oppountunity (08t)

 * Savific of present consumption and enjoyment of the
 people is treated as a social cost.





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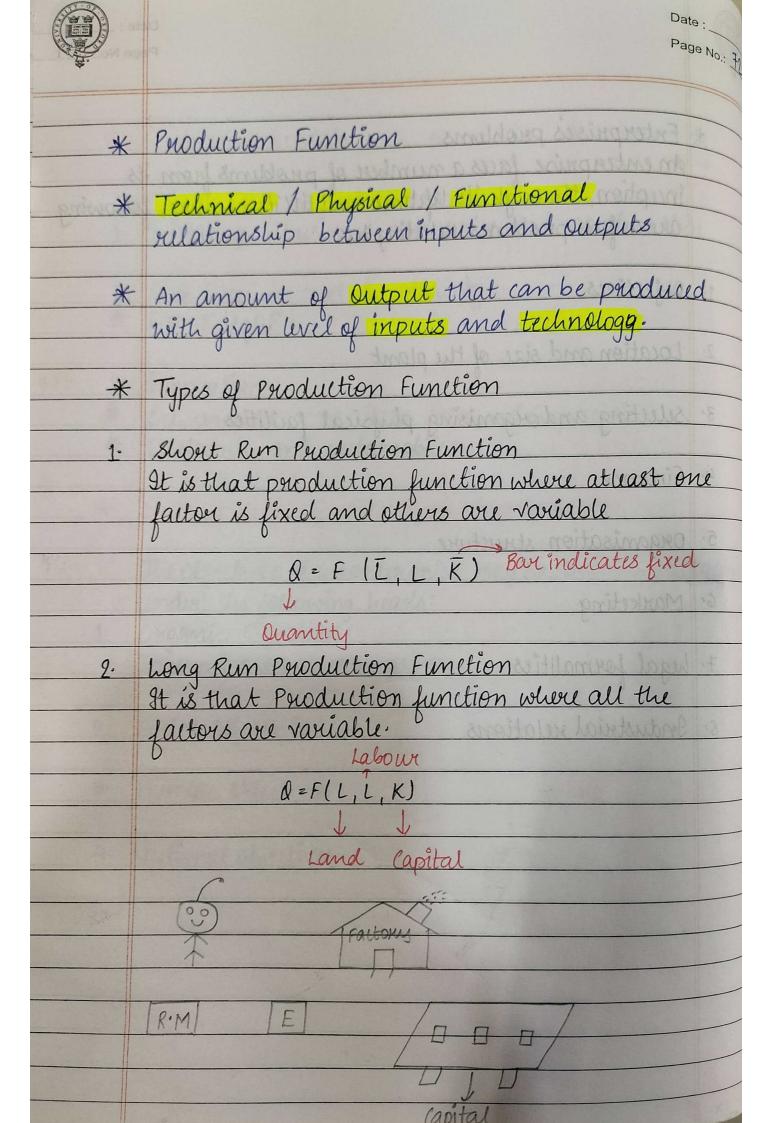
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		Initiating à business enterprise and wordination	*
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	2.	Risk heaving and uncertainty	4
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44	3.	Innovation	7
	*	Schumpeter -> Peter Peter = Schumpeter :	
		Electronie and automobiles	4
4 36	sola.	Capital Journation means a suspined increase int	*
	*	Enterprise's objectives and constraints:	
	2,000	It is there an addition of capital and's like markings to	*
1	di ci	The objectives of an enterprise may be broadly cate under the following heads: Organic Objectives:	egonised
		under the following heads:	
	1.	Organic Objectives:	*
- 1		Jo survive ou to stay alive.	来 李
		ant as Patinuss:	
	2.	Social Objectives	8
	0	Mobilization of savings	d
	3'	Human objectives	3
	4		
	4	National objectives	
9			



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*	Enterprises problems	
	An enterprise faces a number of problems from i	ts
	inception, though its lifetime and tillits closure, &	lollowing
	Inception, through its lifetime and tillits closure, & are a few problems relating to:)
1.0	Objectives and that the same of	(为)
	will given live of inputs and technologe.	
2.	Location and size of the plant	
	Tupes of executations functions as a	*
3,	selecting and organising physical facilities	
	Short Rum Production Function	
4.	Finance male mail mail mail mail mail and the standard of the	
	latter is lixed and ethens are variable	
5.	Organisation structure	
	() F (L , L , K) EASTE INTERNALISED FREE	
6,	Marketing	
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	19t is that Production huntion where all the	
8,	Industrial relations	
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Example for short Run Production Function If a gifts maker has to manufacture set units of goods for Halloween in six days, it needs to inverse laborers and now materials but not the machinery. In this case, labourers and now materials become variable inputs volule the machinery remains fixed.

Example for Long Run Production Function

A long run can be of the same company ABC, permanently looking to expand production capacity of cars instead of only dwing the seasons. It requires new land, labour, and equipment in addition the existing infrastructure.

Magainal Production 1 Magainal Outout

Additional autout produced by our additional followers



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*	Types of Production Labourers = 100
1.	Total Product [TP] 10,000 Units
Ausbein	Total Production / Total output produced
Attended	Anna 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2
2.	Average Production / Average Output 100 100 100
	Avorage Manuellon / Avorage surpur 100 (Andha takla)
Austrian	AP = TP
in he	Leeking to exceed anoduction raparity of Bus out
de la lace	Labour (variable input)
SHIP THE STATES	2 10,000 s shi neddition wi dwardings than
	100
	= 100 units
3.	Marginal Product [MP]
	Marginal Production / Marginal Output
	(Chotiwala takla)
	Additional output produced by one additional labourer
	MP2 ATP
	40



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haw of Variable Proportion 17 Marks)

Short run Production Function

Law of Diminishing Retwins

Returns to factor cost

Stage 1: Law of increasing returns

Stage 2: Law of Diminishing returns

All 3 stages belong to one company only

Stage 3: Law of Negative returns

Stage 1: Law of Diminishing Returns Also known as Economic Absurd

Stage 3: Law of Negative Returns Also known as Economic Nonsense

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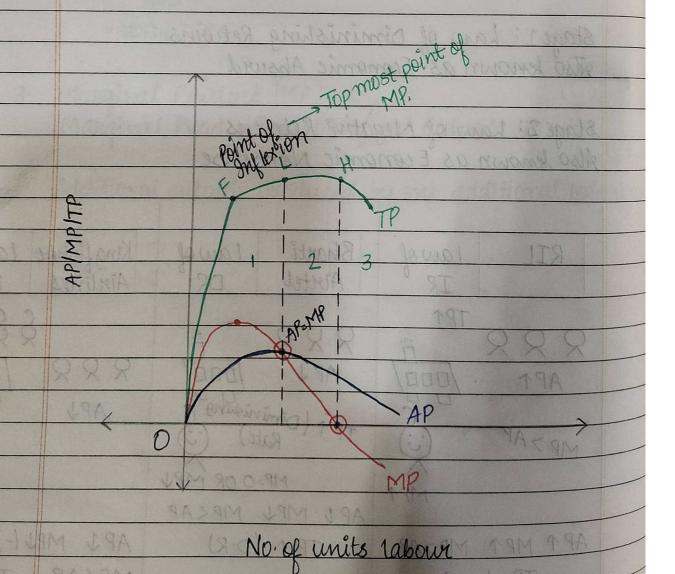


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Flores	Labour	TP	AP	MP	Analysis
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	7	15	15/7	0	TP1 (Diminishing Rate) MP=0 TP Max
111	8 200	HIH DI	14/81-75	mid go	AP 1 MP 1 (-)
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* Reasons for law of Increasing Retroins

- 1. Optimum utilization of fixed factor. 2. Division and specialization of Cabour.
- * Reason for Law of Diminishing Returns
- 1. More variable factor compared to fixed factor.
 2. Imperfect substitution and lack of co-ordination among variable factors.
- * Reasons for law of Negative Returns
- 1. Too excessive increase in variable factor.
 2. Variable factor comes in each others way leading to wastages.
- 3. Over utilization of fixed factor.

Points To Remember

In first stage TP invæsses at invæssing nate till point F but from F to L it invæsses at diminishin nate.

Top most point of MP is called as Point of Inflexion.

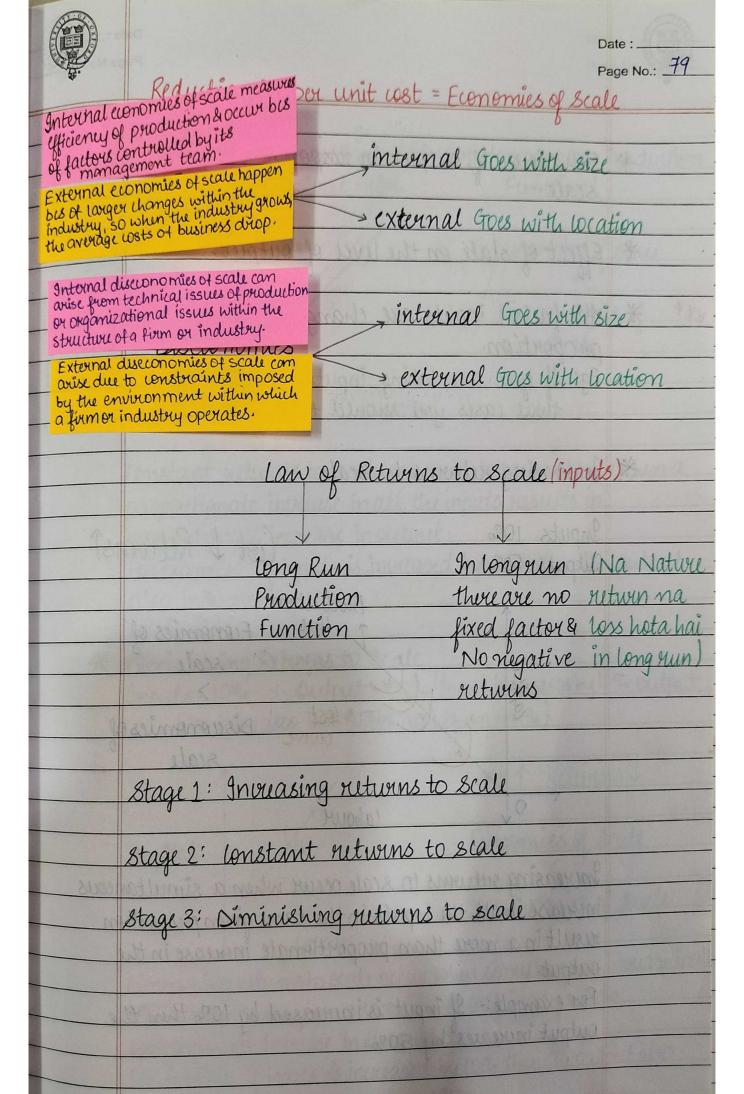
Slope of TP when TP is max O.

When MP declines in first stage TP inveases at diminishing rate.

when AP > MP TP increases at diminishing rate and then falls.

When MP is zero TP is maximum and APfalls.

second stage starts where AP is maximum.



Page No. Reduction in per unit west = Economies of Scale	.: <u>79</u>
internal Goes with size Economics of scale > external Goes with location	
Diseconomies of scale external Goes with size external Goes with location	n
Law of Retrums to Scale (inputs) Long Run Production Production Function No negative in long retrums	na
Stage 1: Inveasing returns to Scale	
Stage 2: lonstant returns to scale Stage 3: Diminishing returns to scale	

* Behaviour of output in susponse to change in scale.

Effect of scale on the level of output.

All factor inputs are changed in same established ****** proportion. Eg:- If you are taking inputs as 10% then in all the

* Increasing returns to Scale

Inputs 10% Outputs 50%

Cost & Retwens?

Production Economies of line Disconomics of Cabout

Increasing returns to scale occur when a simultaneous increase in all the inputs in the same given proportion result in a more than proportionate invease in the output.

For example: - If input is invuased by 10% then the output inveases by 50%.



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* Lonstant Returns to Scale (Linear Homogenous Production
Snput=10% Output = 10% Function)

Capital Scale

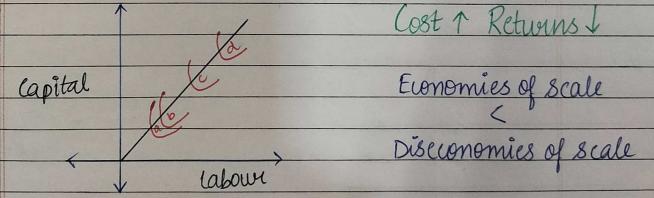
Capital Scale

Cabour

constant returns to scale are said to be constant when a proportionate increase in all the inputs results in proportionate increase in output.

For example: - If inputs is invulated by 10% then the output also invueses by 10%.

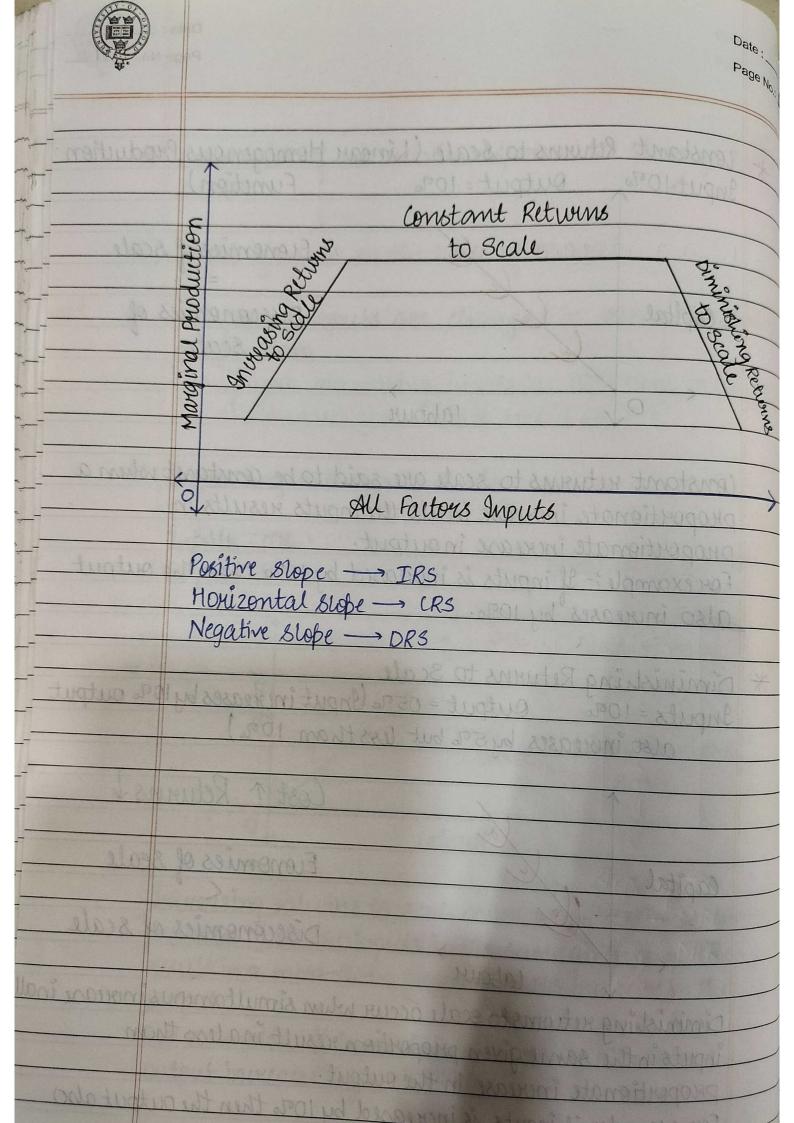
Diminishing Returns to Scale
Inputs = 10% Output = 05% (Input increases by 10% output
also increases by 5% but less than 10%)



inputs in the same given proportion result in a less than

proportionate increase in the output.

For example: if inputs is increased by 10% then the output also increases by 5% but less than 10%.





Date:

Page No.: <u>83</u>

Cobb-Douglas Production Function

- * Whole of American Manufacturing Unit
- * 3/4th Labour and 1/4th Capital
- * Constant Returns to scale
- * Q= KLac(1-a)

Q = Output C = Capital

L= Labour K&a = Positive constants

Labour > Capital

* a+b=1 -> CRS

 $a+b>1 \rightarrow 1RS$

a+b <1 -> DRS



Date:

Page No.:

(Equal) (Quantity)

Tso- Quant, (Producer Point of view)

Egnal Product Curve

Iso-product Curve

Production indifference

curve

Statement:

Various combinations of two inputs that gives same level of output.

Assumption: MRTS -> sacrific

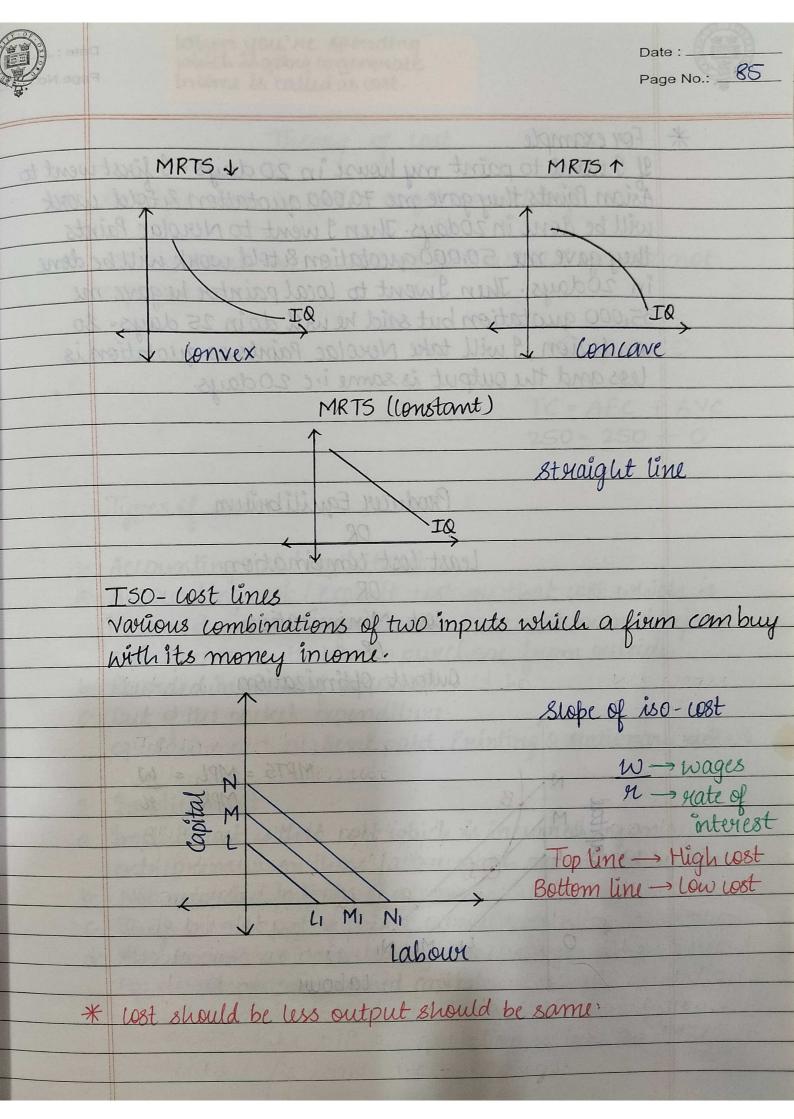
Only two inputs

MRT'S is diminishing Marginal Rate of Technical Substitution

Combinations	Labour	capital	MRTS	0
		- DRS	- 12 d	-0
A	1	12.1	-	
В	2	6	6	
C	3	4	2	
D	4	3	21 - 2	

Slope of TQ - MPL MPK Points of the curve is called locus Labour

Resources are scarce so the relation will be inverse.





For example
If I want to paint my house in 20 days. I first went to
Asian Paints they gave me 70,000 quotation & fold work
will be done in 20 days. Then I went to Nevolac Paints
they gave me 50,000 quotation & told work will be done
in 20 days. Then I went to local painter he gave me
35,000 quotation but said he will doin 25 days. 20
conclusion, I will take Nevolac Paints as quotation is
less and the output is same i.e 20 days.

Producer Equilibrium

OR

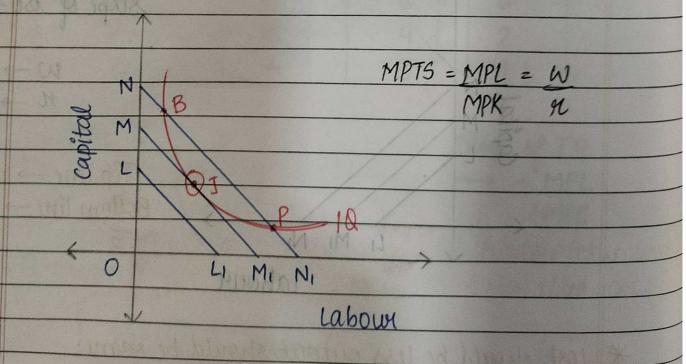
Least lost Combination

OR

Lost Minimization

OR

Output Optimization





When you're spending which is going to generate in some is called as sost.

Date:

Page No.: 87

Theory of cost

* Sacrific done in order to get something.

* All expenses are called as jost but all jost are not expenses.

Output = 0

TC = AFC + AVC 250 = 250 + 0

Types of costs

1. Accounting cost / explicit cost

a Accounting west l'explicit cost are that cost which is incurred on those factors that are not owned by an entrepreneur. He has to purchase from outside.

b. Recorded in books of account.

eg:- Raw material, Rent paid, Printing & Stationary cost.

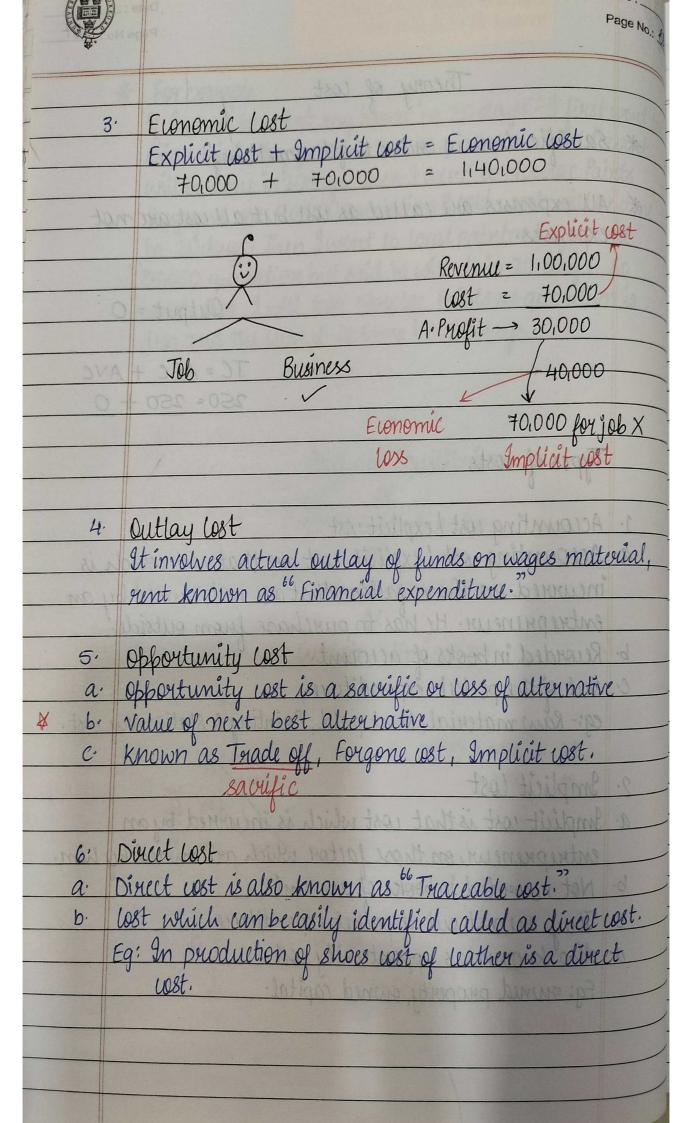
2. Implicit LOST

a Implicit cost is that cost which is incurred by an entrepreneur on those factor which are owned by him.

6. Not recorded in books of account.

c. They are not out of pocket expenditure.

d. Also known as opportunity cost.
Eg: owned property, owned capital.





Indirect Cost

Indirect west is also known as non-traceable west.

Lost which cannot be easily identified called non-traceable/ indirect cost.

Eg: Electricity, Power charges

Inoumental lost

a. Invemental cost is related to concept of marginal cost.
b. It refers to the total additional cost incurred by the

Eg: purchase of new equipment, exponsion of production capacity.

9. sunk Lost

Sunk cost rufers to that cost which has been already incurred for one purpose in the past & cannot be

Eg: Expense on advertisement

10. Historical Cost

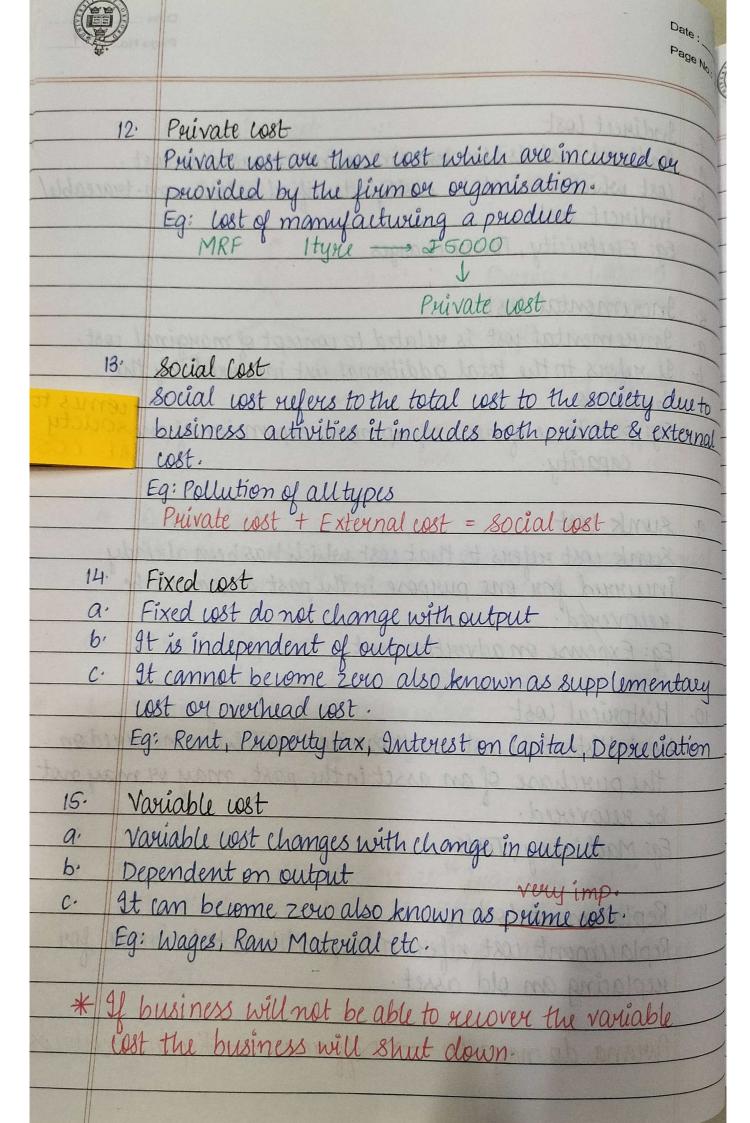
Hori Historical cost we those cost which are incurred on the purchase of an asset in the past, may or may not be recovered.

Eg: Machinery, Tools.

Replacement Cost

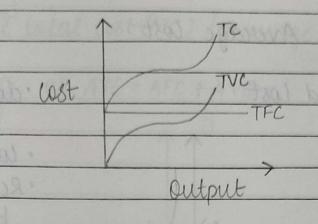
Replacement cost refers to expenditure to be made for replacing an old asset.

Purana do naya lo -> Difference -> Replacement cost

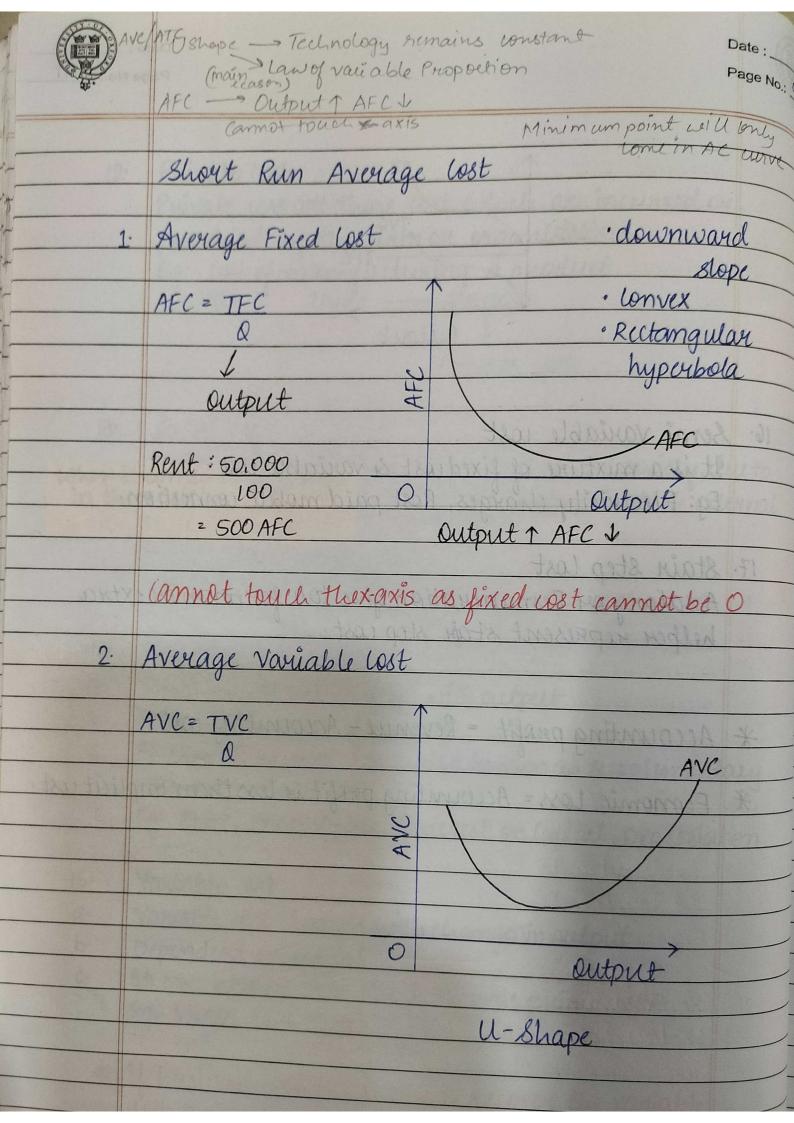




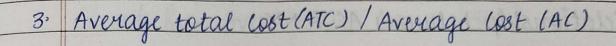
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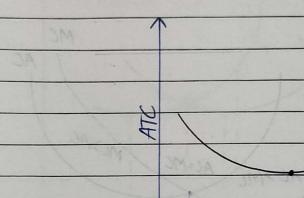
- 16. Semi variable vost It is a mixture of fixed cost & variable cost. Eg: Electricity charges, Post paid mobile connection.
 - 17. Stair step Lost A salary or Remuneration give to a foreman or extra helper represent stair step cost.
 - * Accounting profit = Revenue Accounting cost
 - * Economic Loss = Accounting profit is less than implicit cost.







AC = TC OR ATC = AFC + AVC



U-Shape

4. Marginal Cost (MC) Additional vost incurved for producing one additional unit of output: 1-200 MCn=TCn-TCn-1
2-350 OR

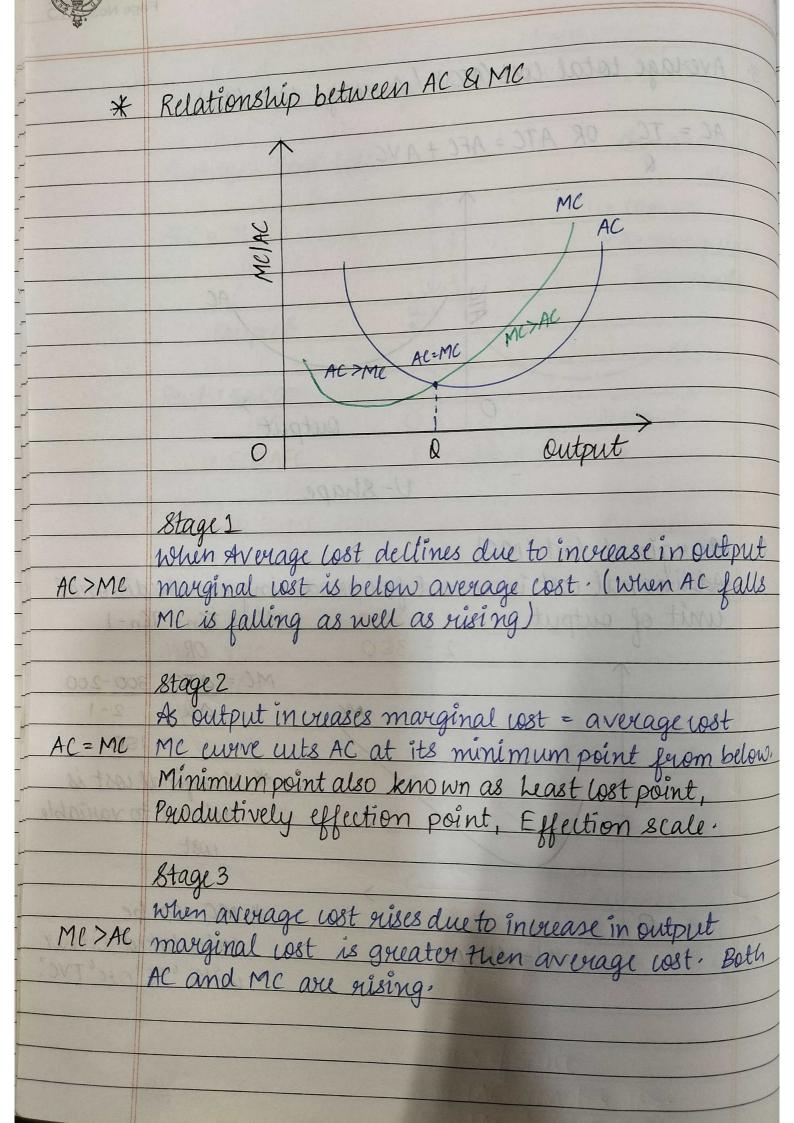
Output

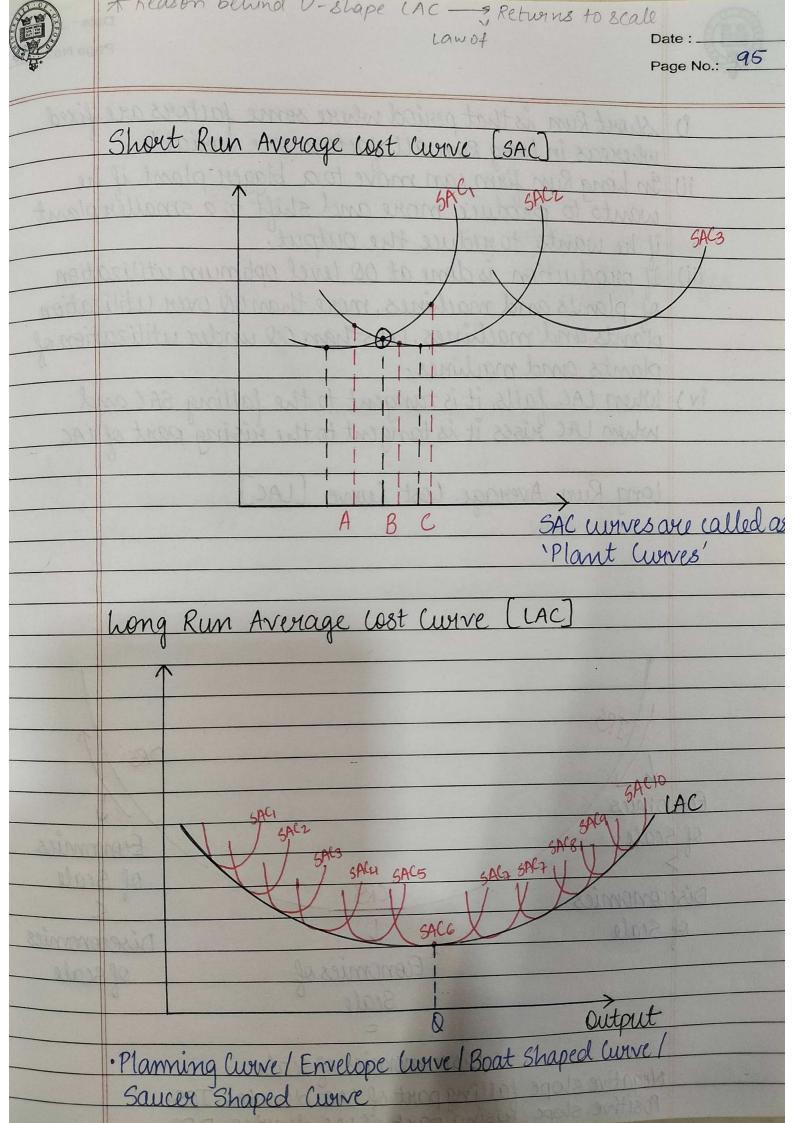
MC = ATC = 300-200 ME Marainal Lest = av

> * Marginal west is related to variable 108t

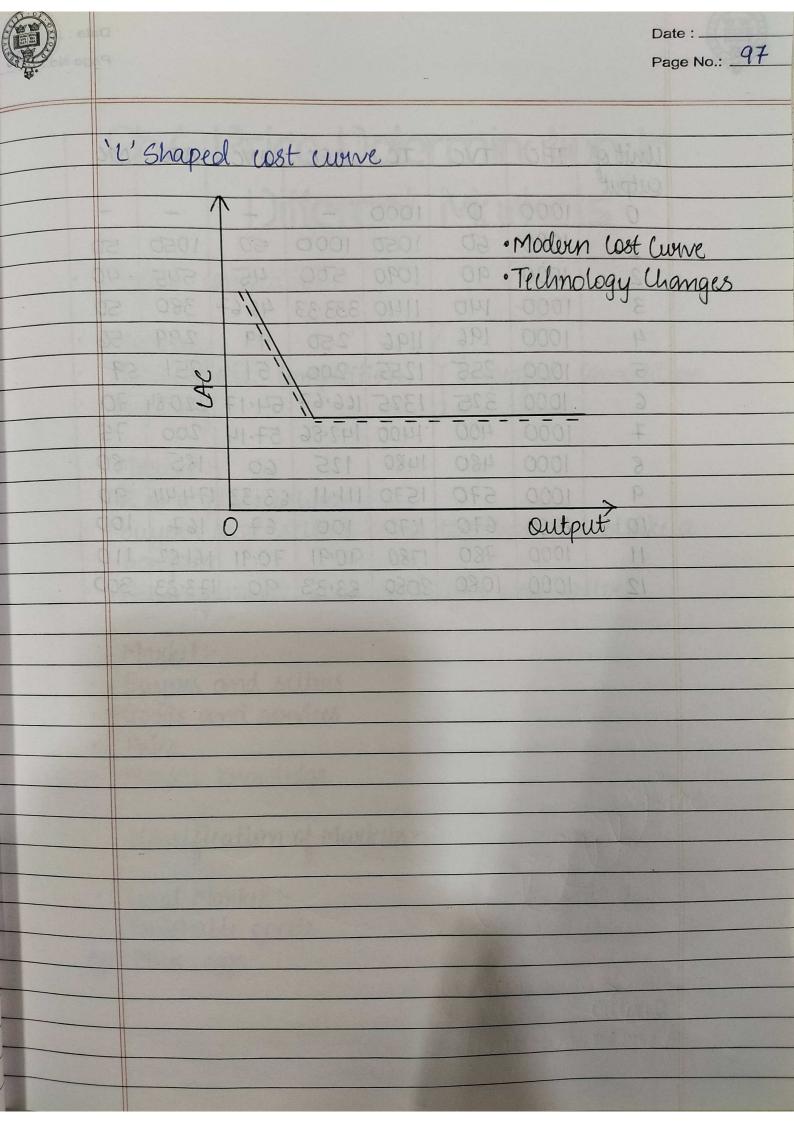
* MC can be

V-Shape calculated either with "TC" on "TVC?





Date: Page No.: 96 1) Short Run is that period where some factors are fixed whereas in Long Rin all factors are variable ii) In Long Run firm can more to a bigger plant if he wants to produce more and shift to a smaller plant if he wants to reduce the output. iii) If production is done at 00 level optimum utilization of plants and machines, more than OD over utilization plants and machines, less than Or under utilization of plants and marlines. iv) When LAC falls, it is tangent to the falling SAC and when LAC rises it is tangent to the rusing part of LAC Long Run Average Lost Curve Economics of Scale Economics of Scale Discionomies of Scale Economics of of scale Scale Discionomies of scale Negative slope falling part of LAC denotes IRS.
Positive slope rusing part of LAC denotes IRS.





	AL THE				T	T.	1	1
	Unit of	TFC	TVC	TC	AFC	AVC	ATC	MC
	output	The same of	- 8 - 14			1		
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aviacs	2	1000	90	1090	500	45	545	40
	3	1000	140	1140	333.33	46.67	_	50
	4	1000	196	1196	250	49	299	56
	5	1000	255	1255	200	51	251	59
743	6	1000	325	1325	166.67	54.17	22084	70
	7	1000	400	1400	142.86	57-14	200	75
	8	1000	480	1480	125	60	185	80
	9	1000	570	1570	111011	63.33	174.44	90
	10	1000	670	1670	100	67 0	167	100
	11	1000	780	1780	90,91	70.91	161.82	110
	12	1000	1080	2080	83,33	90	173,33	300





Ch2 Theory () Demand

UNIT1: LAW OF DEMAND AND ELASTICITY OF DEMAND

- * Desire + Ability to Pay + Willingness to spend = Demond (At a given price at a given period of time)
- 1. Desire
- 2. Ability
 - Willingness
- 4. Price
- 5. Jime
- * Demand = Flow and Relative concept

Demand

Price

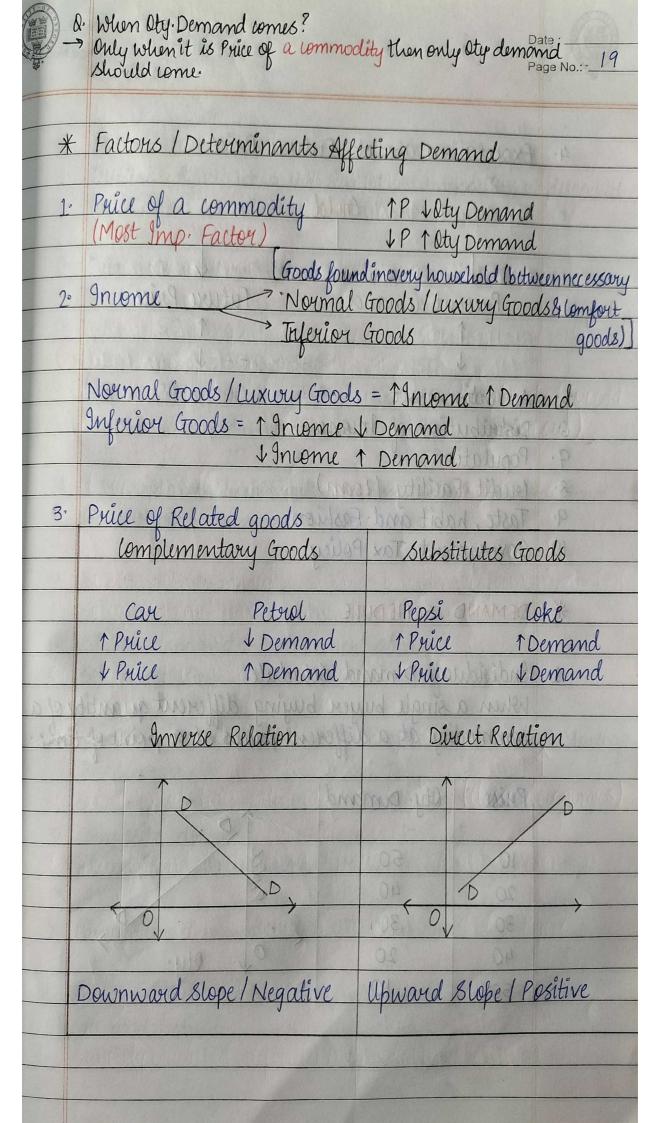
Time

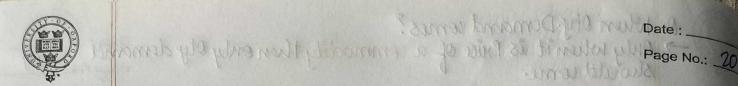
* Price and Quantity Demanded has an inverse relationship and has a downward or negative slope.

Why Negative slope?

1 (+) 1 (-)

(+)(-)=(-) so it is negative





Expectation about Future Price

Gold

Present demand Future Price

- Advertisement
- Distribution of Income Population

(shoots)

- Gredit Facility (Loan)
- Taste, habit and Fashion
- Government Tax Policy

DEMAND SCHEDULE

1. Individual Demand Schedule when a single buyer buying different quantity of a commodity at a different prices at a point of time.

Price	Oty. Demand	
	J	P
10	50	6.
20	40	2
30	30	
40	20	O Otu.
50	AMAMAIO N	Mrpsia Lonald Denchargo

Date :

Page No.: 21

2. Market Demand Schedule
Buying different quantity of a commodity at different
price at a point of time.

The Party of the P	Price	Mr. A	Mr.B	M4.C	Market Demand (A+B+C)	
-	1	50	60	70	1801/1801	
-	2	40	50	60	150	
The same of	3	30	40	50	120 000 000 000	1000
San Charles	4	20	30	40	and the 90 and the	-
Name and Address of the Owner, where the Owner, which is the Ow	5	10	20	30	60	Service of

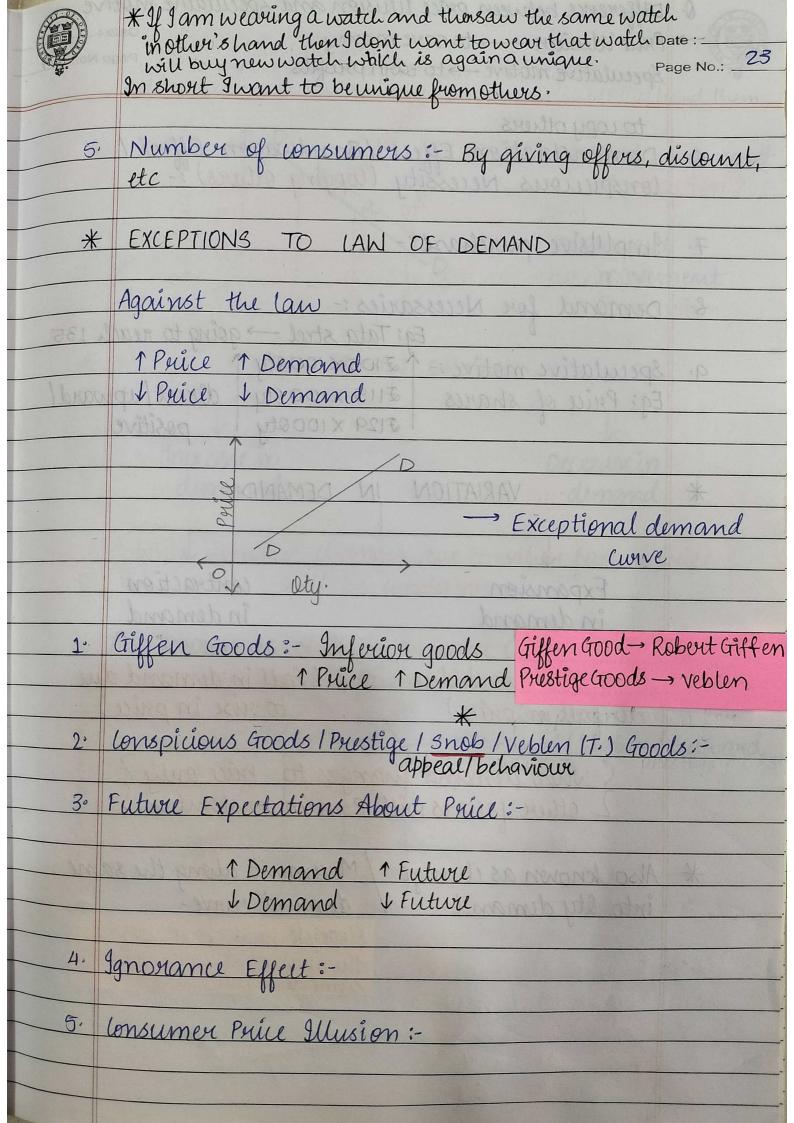
* Horizontal submission of all Individual demand curve gives Market Demand Curve.

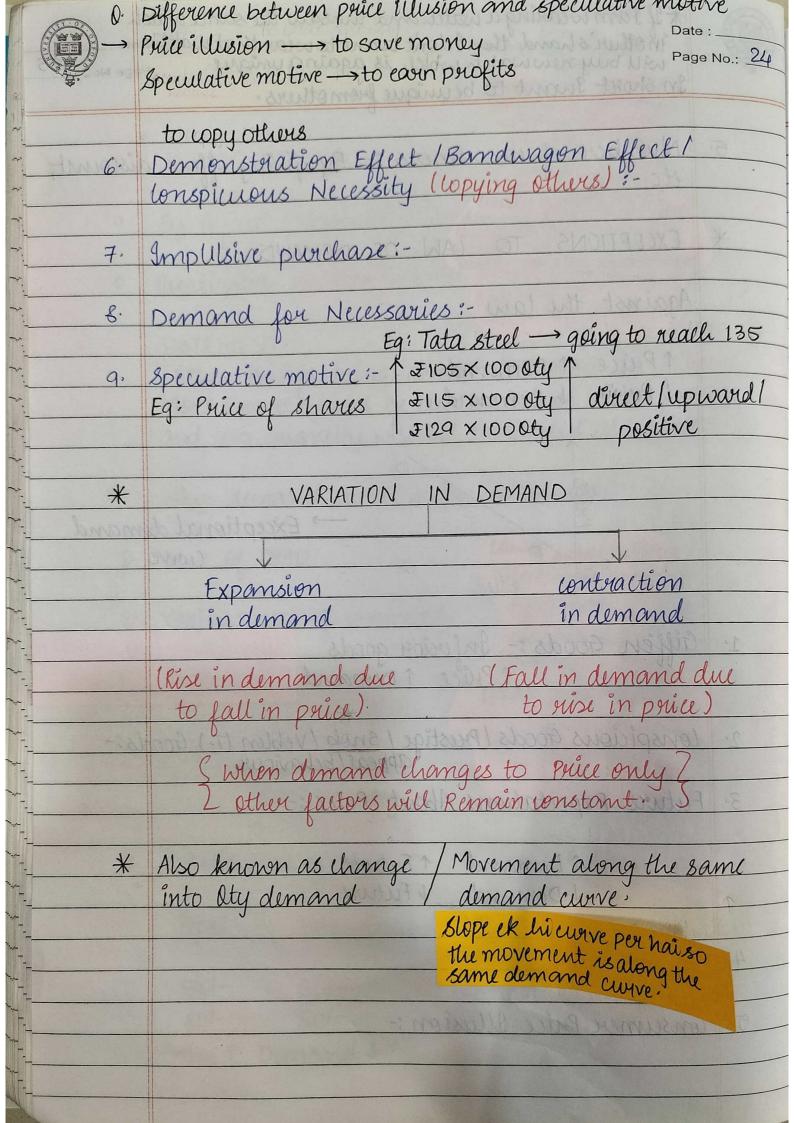
* TYPES OF DEMAND

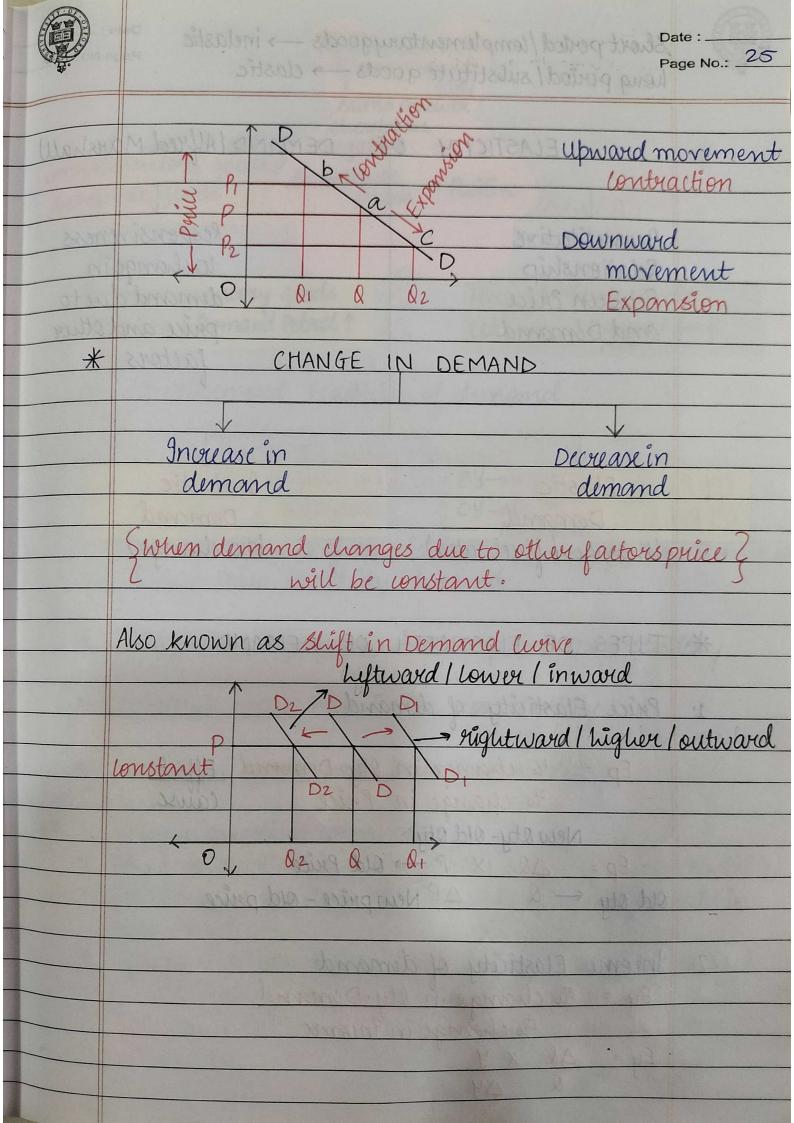
- 1. Direct demand: Consumer goods Eg: Book, Pen, Umbrulla, etc.
- 2. Indirect / Derived demand: Producer goods on Factors of Production.
- 3. Lomposite demand (Multiple uses):-Electricity, Water, Wood, Mick
- 4. Competitive demand: substitute goods
- 5. Joint ou Tied demand: Complementary goods like can and petrol.

		Moyua Date:
	Price will never	Mamaal Mwiti
		Morya Mangal Mwiti Page No.: 2
£.	Remain constant	Higher the pull lower the
		demand, lower the price higher the demand. (2)
		Jus Callaas law of
	LAW OF DEMAND	demand (2).
	CAN OI DECENT	higher the demand,
different f	o hypowas o is him	demand (2) This is called as
0	By Alfred Marshall	TOWN DE CONTINUE C-2
	5	relation abunward sort
h	Qualitative Relation between	WI (2), July (3 (authors)
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	and the same of th	Alfrica Octoc Ni star.
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	Marie Organith will be der	nanded at lower price
	1º10 ce curring were se cus	demanded at higher price.
	and less quantity will be	nanded at lower price demanded at higher price.
*	Why demand curve slop	es downward!
*	Trong Correction	
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	Price 1 Demand +	
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	20 Market Demokrat Control of Alaston
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	Qualitative Relation between Price and Demand
0	Qualitative Relation Deliver 1700.
	or los los
	STATEMENT Other things being constant (ceterius Paribus) More Quantity will be demanded at lower price and less quantity will be demanded at higher price
	other things being corounded at lower price
	More Quantity will be demanded at higher price.
	and less quantity will be armore
*	Why demand curve slopes downward?
	Lawof substitution_
1,	Law of DMU effect and Income
2.	Various uses of commodity concepts are
	given by
3,	Income effect HICKS And ALLEN
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	SO J TOLY
4.	Substitution effect
	Pepsi Loke Income effect
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like est	501- 501-
	801- 501-
	Price 1 Demand 1









short period/lomplementarygoods - inelastie hong period/substitute goods - elastic

Date : __

Page No.: 26

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	and Demand		price and other			
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E VINE	(thanges / fluctuates)	Inc	changes			
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	Ep = % change in	Oty. Demand	Effect			
	To change in	Price	Cause			
	New Oty-Old Oty					
	Ep = AQ X P ->	Old Price	10			
	Ep = $\triangle Q \times P \rightarrow$ Old Oty $\leftarrow Q \triangle P Neu$	v price - old pr	ice			
2.	Income Elasticity of de	mand				
	Ey = % change in Ot	y. Demand				
	Income Elasticity of du Ey = % change in Ot % change in	Income	Angel Share			
	Ey = Al X Y Q AY					
	Q DY					

			short period/complementarygoods - hong period/substitute goods -> e	→ inclastic Page No.: 26				
		lens patient	wing poulour substitute goods					
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		twoming	ELASTICITY OF DEN	MAND l'Alfred Marshall				
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		+Man	Relationship	to change in				
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	+		and Demand	price and other				
			TANGE NI DEMAND	factors				
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C,y_	→85 das		Elastic	Inelastic				
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	~ <u>`</u> -		Ep = △Q × P → Old Price Old Oty ← Q △P New price -	old duice				
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	V	2.	Income Elasticity of demand					
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	7-1		Income Elasticity of demand Ey = To change in Oty. Dema To change in Income	alludayety be a light				
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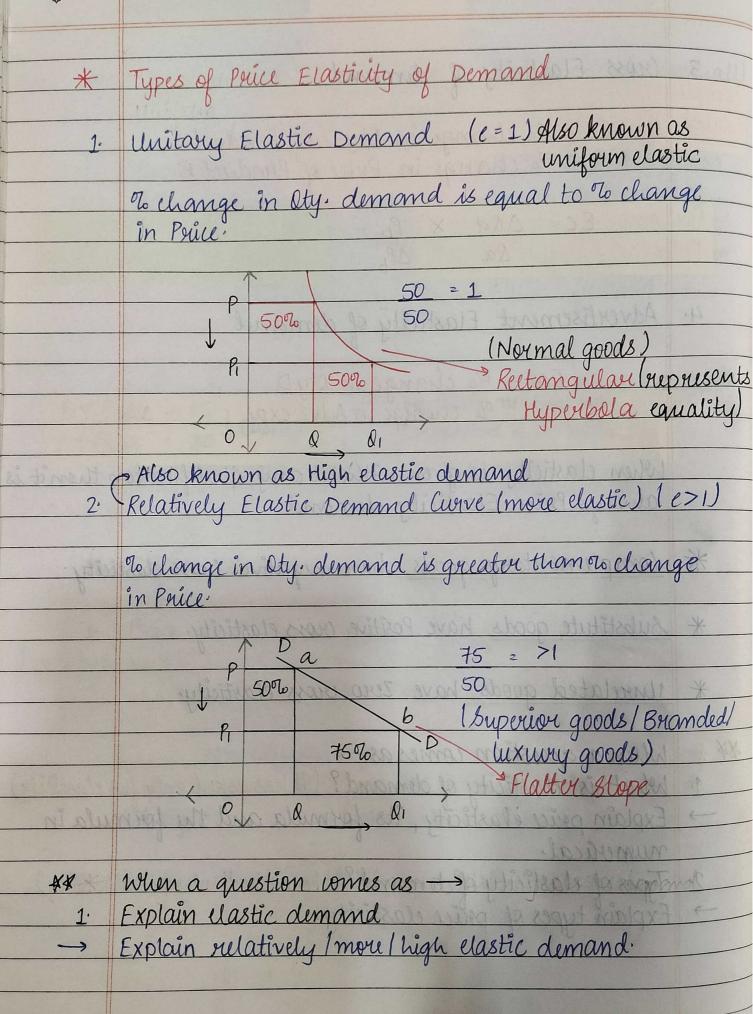
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	y complementary sums answer
	sums answer should be
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For	complementary goods Pb For substitute goods
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	ice Car & Demand Petrol 1 2Pb Coke price 1 Demand for pepsi
4.	Advertisement Elasticity of demand
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US!	always Price Elasticity demand
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	Complementary goods have nigative cross elasticity
	I'm Epite:
*	<u>Substitute goods</u> have Positive cross elasticity.
*	Musulated ands have 7000 was also finite.
Moha	Unrelated goods have Zero voss elasticity.
**	When a question comes as ->
1.	When a question comes as -> What is elasticity of demand? (It has asked only for elasticity) Explain price elasticity, its formula and the formula in
->	Explain price elasticity its formula and the formula in
	'Y\JJIY\Y911CGJ\'
2.	Types of elasticity of demand? It has asked only for elasticity) Explain types of price elasticity.
->	Explain types of price elasticity.
	Fxplain sulatively/merelligh elastic demand.

0	Study on Should be my gattive	Date : Page No.:27
100	Cross Elasticity of demand	
	Ec = 00 change in Oty D of Product A No change in Price of Product B	
u	EC = ΔQa × Pb For substitute go Qa ΔPb Coke price ↑ Demande Pepsi	ods d fort
	Advertisement Elasticity of demand	sk abite
C	Ea = % change in Oty D % change in Adv. exp.	
	When elasticity is given without any qualification always Price Elasticity demand.	on then it is
	Complementary goods have nigative cross ela	sticity
	<u>Substitute goods</u> have Positive cross elasticity.	
	Unrelated goods have Zero voss elasticity.	
	When a question comes as -> What is elasticity of demand? (It has asked only f Explain price elasticity, its formula and the form	
	numerical. Types of elasticity of demand? It has asked only for a Explain types of price elasticity.	elasticity)
	WINNING O SOURCE OF THE PROPERTY OF THE PROPER	



Date :_

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Date : _

Page No.: 29

- Also known as how elastic demand Relatively Inelastic demand I less elastic demand To change in Oty. Demand will be lesser than To change in price 50% (Necessories or Perishable 25% is imaginary always Perfectly Inelastic demand (e=0) (No change) Slight change in a price of a commodity leads to no change in Oty demand. Life savings drugs match box, salt Vertical straight line



Date:

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5. Perfectly Elastic Demand (e=\alpha) 19maginery, doesn't exists in RoW)

Slight change in a price leads to infinite change in Oty demand

P D Houzontal line

is imaginary aways

stight change in a paice of a commodify leads to n

In Whye demand

Life savings dues my

box, salt

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Date : _

#					Page No.: <u>31</u>
*	Types of Invon	me Flast	icity o	f Demani	d
1:	Zero Elasticity eg:-salt, neu	ey=(life sa	ving duu	gs, matchbox,
2:	Negative Income Inferior goods	Elasticity Or secon	ey <	o nd produ	cts
3:	Unitary Income Eg:- Normal good	2 Flasticity ds which	y ey=	on regula	or baris.
4,	Invene clasticity Eg:- Superior goo	is greater ds l'uxur	i than	1 ey 71	REVENUE
5,	9nione clasticity Eg:- Necessavies	less thom Or Perisho	1 1 ey	<1 ods	
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1PATO JP VT			10			
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_ Price kam	to kan	n	14	112	gnelasi	tic Demand

Revenue

Method

Methods for measuring elasticity of demand

Ratio or percentage Method (Same as Price Elasticity of Demand)

Total Outlay Method

Expenditure

13 Method

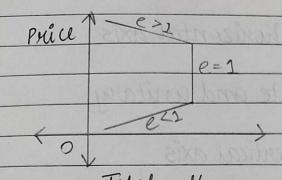
Pocket se kitna paisa gaya. To

Alfred Marshall

,	1.5	able aco	ON Penisho	Fare Nechesardes 1
Case	Price	Oty	To(Total	Elasticity
ne			Outlay)	
1	10	12	120	e=1
	84	15	120	Unitary elastic
1TO				1 000000
2	101	12	1201	e71
	81	20	160	Elastic Demand
0				
3	10/	12	120	e<1
	87	14	112	Inelastic Demand



Page No.: 33

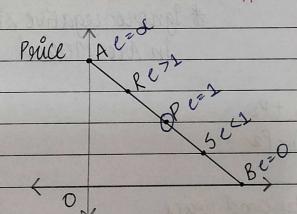


Total outlay

* Vertical Straight line parallel to Y-axis in total exp. method indicates unitary elastic demand.

3. Point or Geometric Method

Ed = Lower segment = L Upper segment U



Ed [dq x p] Demand in (-) dp g] Supply in (+)

when change in the price is very small, neglible then this method will be used

Eg: Computer price changed from 50,000 to 50,100 negative

* Downward sloping straight line linear demand curve touching both the axis.

l e = 1						
e>1	PB=2	SB = 1	RB = 3	0	AB	-
el1			RA 1		0	
e=0	e=1	e=<1	e=>1	e=0	e=d	No. of Lot

ezd

x-axis/houizontal/ outputaxis -> X-axis Y-axis 1 Vertical/ Price axis -> Y-axis



Page No.34 Point which lies on horizontal axis Point which lies infinite and unitary Point which lies on vertical axis Arc Elasticity Method/Answer should always be in plus Ignore negative sign! a for When change in the price is very large and b substantial? - In this method, the answer > should always be positive * Ignore negative sign in Auc Method Ed= Q1-Q2 X P1+P2 Q, P, - old quantity and price Q2, P2 - new quantity and price



Date : ____

Addicted Habits

Page No.: _35

* Factors Affecting Elasticity of Demand

1. Availibility of substitutes

Substitutes → elastic No Substitutes → Inelastic

2: Position of commodity in sonsumer's budget

Occupys small part of our Budget - Inelastic eg:- matchbox Occupies large part of our Budget - Elastic eg:- Transportation changes.

3. Nature of a commodity

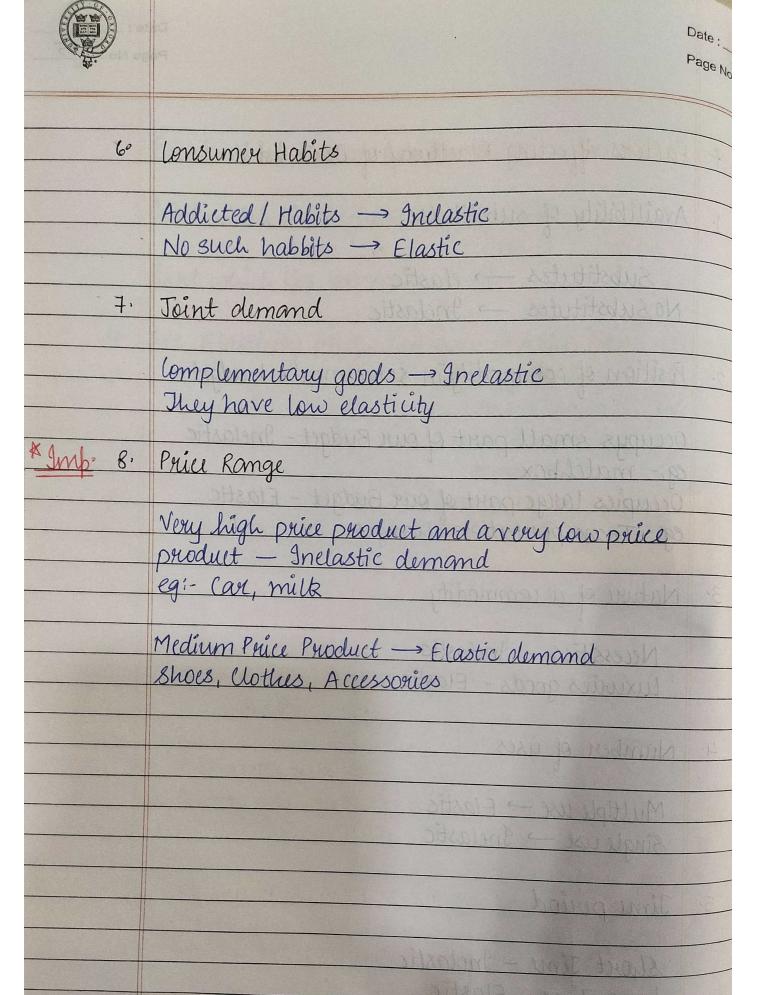
Necessities - Inelastic Luxuries goods - Elastic

4. Number of uses

Multiple use → Elastic Bingle use → Inelastic

5. Jime period

Short Jime - Inclastic





Page No.: 37

UNIT 2: Consumer Behaviour

Consumer Behaviour

wants

"All desires, tastes, motive, need of human beings are

- Wants are unlimited
- Wants are recurring
- * Wants are competitive
- * Wants are changing with time, place, person.

CLASSIFICATION OF WANTS

- 1. Necessaries -> (Basic wants)
- 2. Comforts -> A.C., Two-wheeler, Chair.
- 3. Luxuvies Lavish Birthday, Rolex Watch.
- * Utility -> Abstract term
- 1. Want satisfying power of a commodity
 2. Capacity of a commodity to satisfy a human want.

want means wish to have something

Desire means movement you put efforts it becomes desire-

	Date:
	Page No.
* FEATURES OF UTILITY	
1. Subjective concept:- Differs from person to person	
Differs from person to person	
DD D Stranks	
2. Dillers brom usefulness:	
2. Differs from usefulness:- Commodity may be given utility but not us	eful for
health,	
Eg:- Alcohol	* 14/10
wis are neumanya	* Na
3. Relative concept	* INC
Related to place and time.	M X
with and throwning with time, place, prisoner of	ald I X
4. Depends on intensity of want	
ISSIFICATION OF MANTS	415
5. Differs from satisfaction	
CESSARIES - (BASIC MANAES)	1, I NE
6' May not always give you Pleasure. Injections, Medicine.	
Injections, Medicine.	2. (61
V TIOCO OC UTUITI	
* TYPES OF UTILITY ON JUST AS AS INC.	111 18
2. Place Utility: - Transport	
1. Place Utility: - Transport	THE X
2. Jime utility: Harehouse	
2. Jime Utility: Marchouse	SIN I
3. Form Utility: - Manufacturing process	
The state of the s	01.10
4. Service Utility: - Professional services	MACA
- Solicin a project of a tractor and a project of the project of the solicing	NO.
5. Knowledge Utility:- Internet, Mobile 6. Possession Utility:- Transfer of ownership	200



Page No.: 39

* LAW OF DIMINISHING MARGINAL UTILITY (I commodity) MR. GOSSEN'S ALFRED MARSHALL (POE 1890) 2nd law -> Equi marginal utility -"Other things being constant Utils Additional benefit which a person derives from invease in a stock of thing diminishes with every increase in a stock that Utility derived by a consumer EMU afterionsuming all units of a commodity. = TUn - TUn - 1

OR

Utility derived by a consumer after consuming an additional whit of a commodity OR Addition made to total Marginal utility Use second formula MU. = △TV → Change in total utility △Q - Change in total quantity for sums MU No. of units TU Highest satisfaction 10 8 18 22 → Full satisfaction → Disutility I dissatisfaction 22 5 20 Shape of Total Utility -> Inverted U shape of TU Marginal utility is also known as -> Demand curve

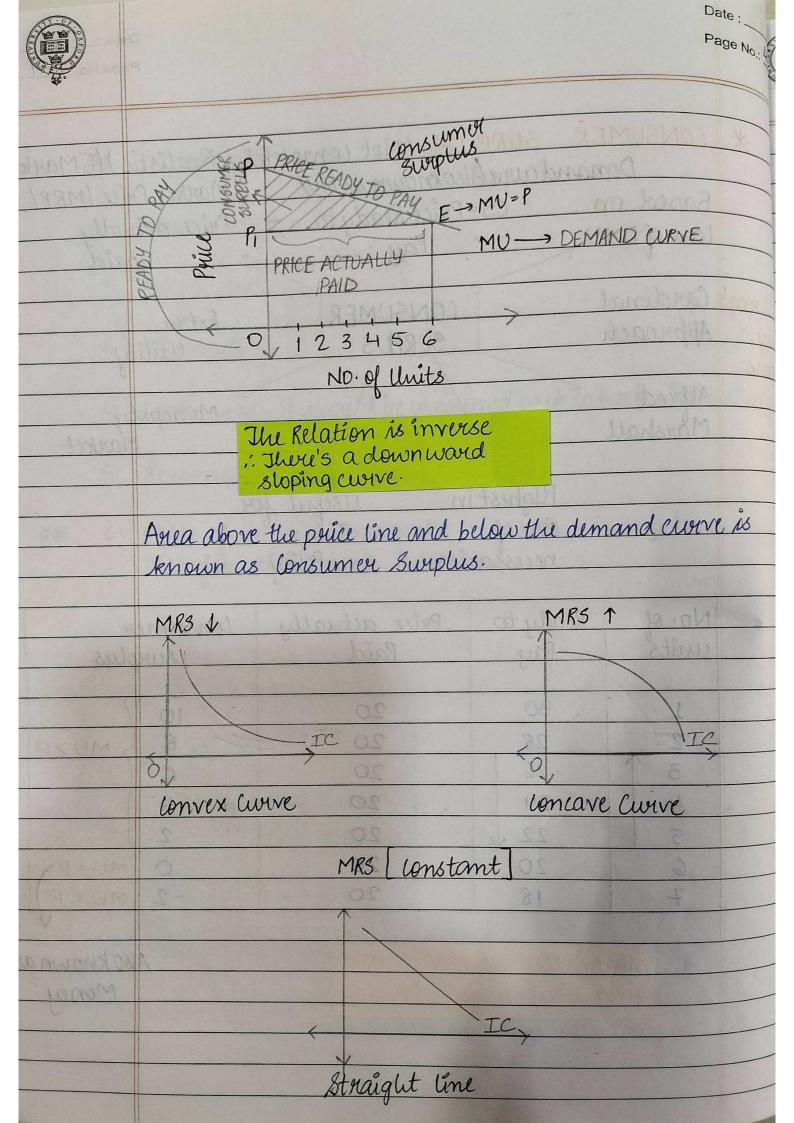


Page No.: 41

		The state of the			
*	CONSUME	ER SURPL	US (Not complete	ely Realisti	c)(5 Marks)
	Den	nand curve/Al	soknown as MV/	Market Pr	uce IMRP/
	Based or	1 CS=	Price Ready to -	Price act	ually
	law of DM	UNCOM	Pay	1	paid
V 2 2000/8	Cardinal		CONSUMER	Extra	Will Station
* my	Approach		SURPUS	utili	th
	ripproduced		A MANUAL ON THE PROPERTY OF THE PARTY OF THE	V 00000	· · · ·
iome	Alfred	Z		Monopo	ly
	Marshall	/			Market
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		Highesti	in Useful	lou	(stan)
j.	iand curv		d anno anno lax	HILLA CLUDVE	
		necessar	cies Policy	tempeun as	6
			3 1 4	J I	
	No. of	Ready to	Price actually		
	units	Pay	Paid	sw	iplus
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	1	30	20	10	141120
	2	28	20		> MU7P
	3	26	20	6	
	4000	3vour24	20	PANCE COM	
	5	22 1	20	2	J Mil-P
	6	20 to	20	-2	MUCP
	7	18	20	1	10 -1
			Sin Branch Street	THE PERSON	

Also called as M·V· as it gives additional utility.

Also known as Money





Date:___

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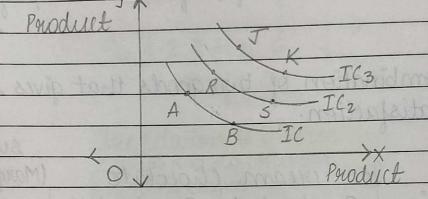
	मु	झे फरक तहीं	पड़ता				
	A person I consumer is neutral						
	INDIF	FERENCE TACK	DRVE ANALYSI	SVI			
		1		Also calle			
	Hicks and		l No		stitutes		
	Allens	Appro	ach	Goods)			
		(scale of	preference) (1)	mperfect	- 1		
				substitu	tion)		
	STATEMENT	70	7				
	Various combi	nation of two	o goods that q	ives same			
	level of satisf	action.	ZO PA	2 1 210/ 12	1		
		1	0.0	8 Wostituti	01)5		
		ce-cream		(Marginal Rate MRS (Xy)			
	Combination	Product X		1 1 1 X X X X X X X X X X X X X X X X X			
	A	2	12	Dil 6			
	В	3	4	2			
	Passa	H may 4 Mason	-	1			
		CITTERIAL 10001	goods	I Grand			
	Assouth the instance	2. MRS is dir	ninishina				
	A A	and an broad	a com amara	Wilhof *			
	The state of the s	В	Invense R	'elation →			
-		C		and slope			
	maita	som satisla	survivo survivo (Con	exx) IMRS is devicas	ina)		
		IC	3names:-1)Transivity (mov	ement		
			*1 2) Trade off I savii) Substitution	fice)		
	Octob			Dompsilianeri			
	roins	ton the \longrightarrow Locus	* 81	ope of Toc			
	Roisinta	W(VE 2000	in the dillengul	o thing of			
*	Indifference a	wive:-		S = MUX			
*	Downward, wo- Movement from Reason betrind	nvex, MRS fai	U	MUY			
*	Movement from	Ato B, Btoc, c	to A has 3 names				
Q.	Keason betrind	falling MRS -	It is an assum	ption			
				AND DESCRIPTION OF THE PARTY OF			



Date: Page No.:

* INDIFFERENCE MAP

A set on family of indifference curve gives indifference map.



- * The curve which is far from the origin = Higher satisfaction
- * The curve which is near from the origin = Lower satisfaction
- * Indifference map is based on taste and preference of consumer.
- * Point on same curve same satisfaction
- eg: A=B R=S

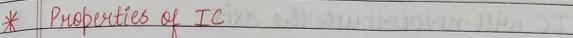
J=K

* Point on the different curve different satisfaction eg: A + R + J

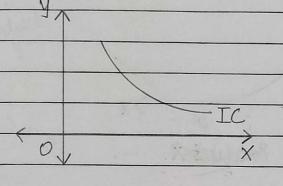
B ≠ S ≠ K



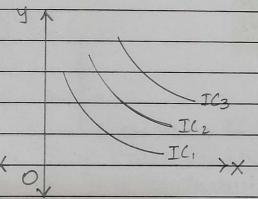
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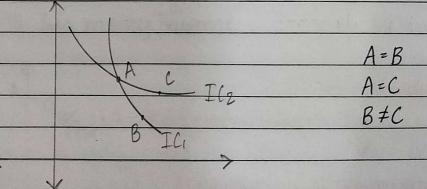
1. It is downward sloping and convex

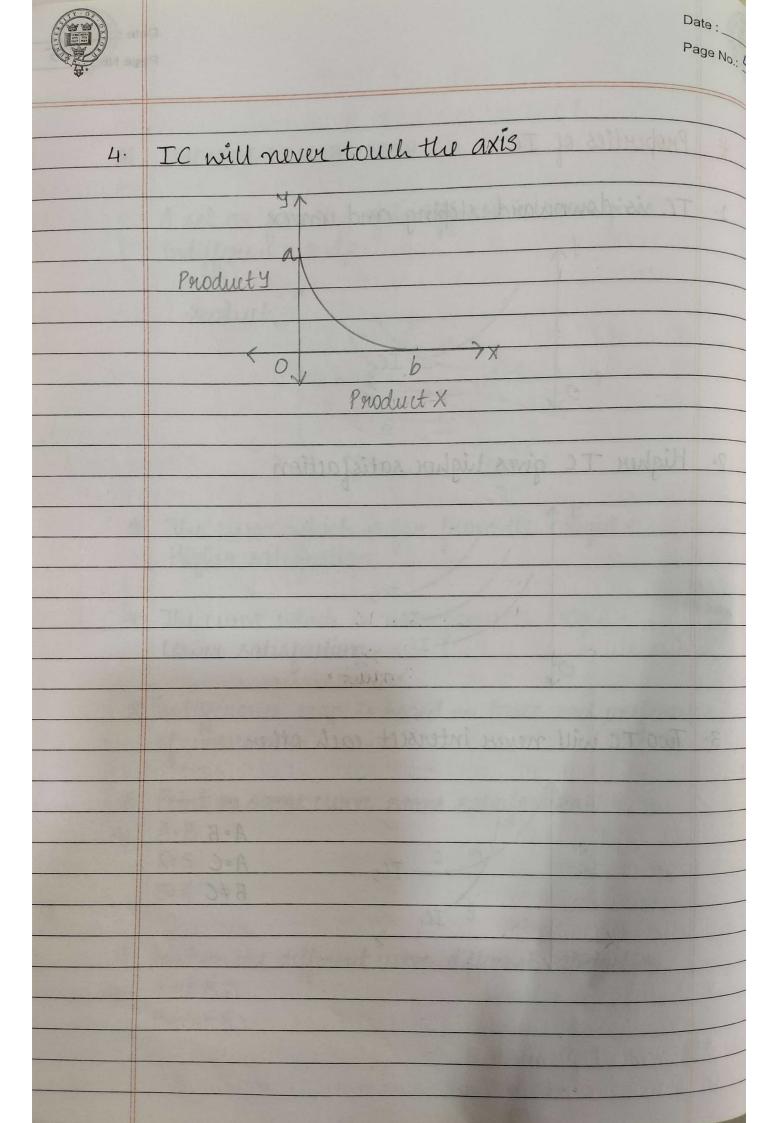


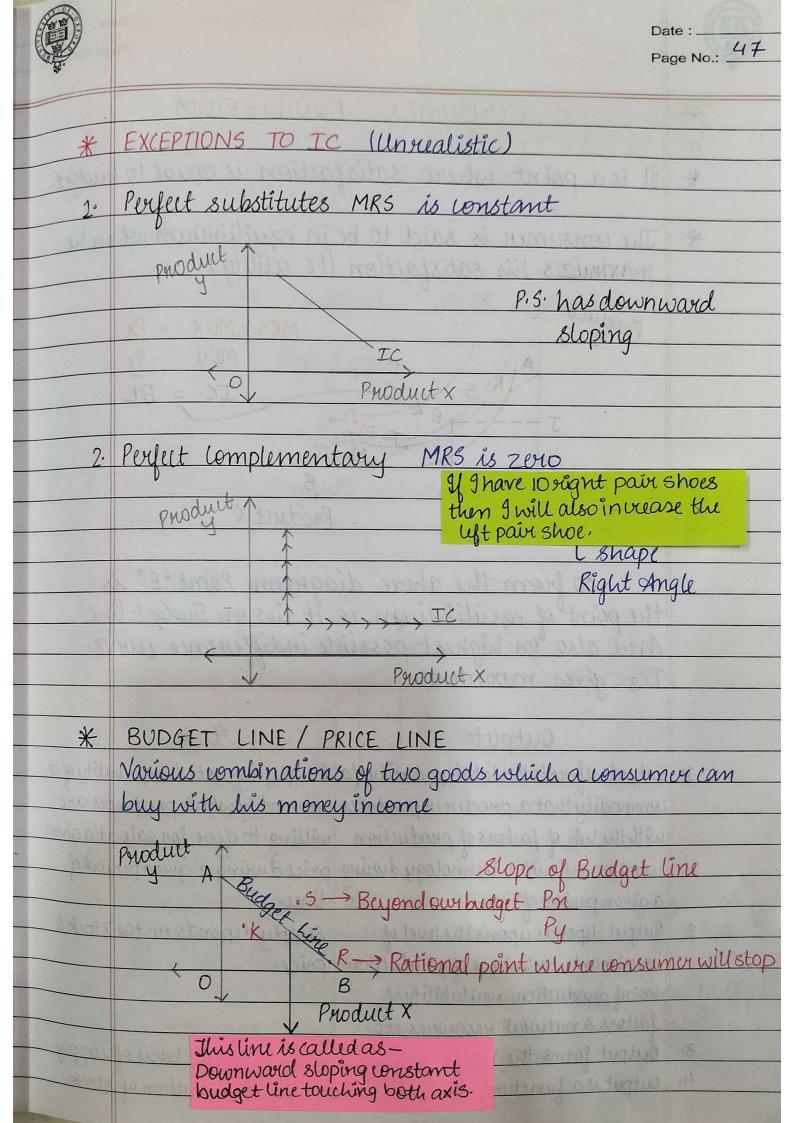
2. Higher IC gives higher satisfaction



3. Two Ic will never intersect each other









Page No.: 48 CONSUMER EQUILIBRIUM It is a point where satisfaction is equal to budget. The consumer is said to be in equilibrium when he maximizes his satisfaction (i.e utility) Product MRS = MUX MUY Product X So from the above diagram Point "E" is the point of equilibrium as it lies on Budget line and also on highest possible indifference were-Ils gives maximum Output Stock 1. Output refers to the total quantity of a supply refers to the quantity of a commodity that a producer produces commodity which producers are with the help of factors of production willing to offer for sale at a given using a particular technology during price during a given period of a given period of time. Output depends upons the level of Supply depends on the stock & investment, technique of production, price. cost of production, availability of factors & natural resources, etc. Output forms the basis of stock. Stock forms the basis of supply output is a function of input. Supply is a function of stake

A CONTRACTOR OF THE PARTY OF TH	with seller to sell is called Flow concept Date:
	Stock. Demand Supply Income Page No.: 49
*	Any thing which is offer for sale
*	SUPPLY In the market at a given price at a given point of time.
	Relative voncept :- Puice, Time
0	remite concept : 17th , 11th
0	Flow concept
0	Production < output < stock < supply
	Price Oty. Supply
	1 301 000
	1
	Simil Calabianalia Latana Parisa and Dunatity
0	Direct Relationship between Price and Quantity
	Supply.
0	Upward Stope
	4
	A Trebandon I was hard to the
	Ti. Upward / Positive slope
	P2 (C MOMORAVOTO C
	Hudavaurable Govt Palicy - & Burgly
	Q Q Q Q Qty.
	to the state of th
*	DEFINITION
*	Supply is defined as a cty of a commodity which is
	Supply is defined as a Oty of a commodity which is offered for sale in the market at a given price at a
	DON'T OF TIME.
*	Producer's plan to sell at a given price at a point of
14	time.
*	Producer is able and willing to offer.



	Page No.:
	AND MARKET TO THE PARTY OF THE
*	Factors / Determinants Affecting Supply
1,	Price of a commodity 1P 10.5
2:	Price of Related goods complementory
	when price of pent
	Shirt T-shirt supply of ink 1 500 400 1 (Direct relation) 500 400 1 Substitute access
	500 400 \ (Direct relation) 500 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	commodity 1 supply of main commodity 1
3.	Lost of Production (Inverse relation)
	1 COP 13
4:	Technology latest Tech 1 Supply 1
spots	Outdated Teh & Supply &
5.	Government Policy
	Unfavourable Govt. Policy -> 1 Supply Tax 1 51 (Melh) Subside 1 Supply
	Taxt St (help) Subsidy 1 Supply 1 Tax 1 St Subsidy 1 Supply 1
	Favourable Govt. Policy -> 1 Supply
6.	Jime
بتزيل غلا	Short Period -> Less supply
0.70	Long Period - More supply
47.60	Number of lights
Ú.	Monopoly -> less supply
	Number of firms Menopoly -> Less supply Competition -> High Supply



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8. Natural Factors

Favourable NºF → 1 Supply Unfavourable NºF → 1 Supply

LAW OF SUPPLY (Qualitative relation)

- o Alfred Marshall POE (1890)
- · Direct Relationship between Price and Oty Supply

STATEMENT

Other things being constant

"More quantity will be supplied at higher price
and less quantity will be supplied at lesser

price."

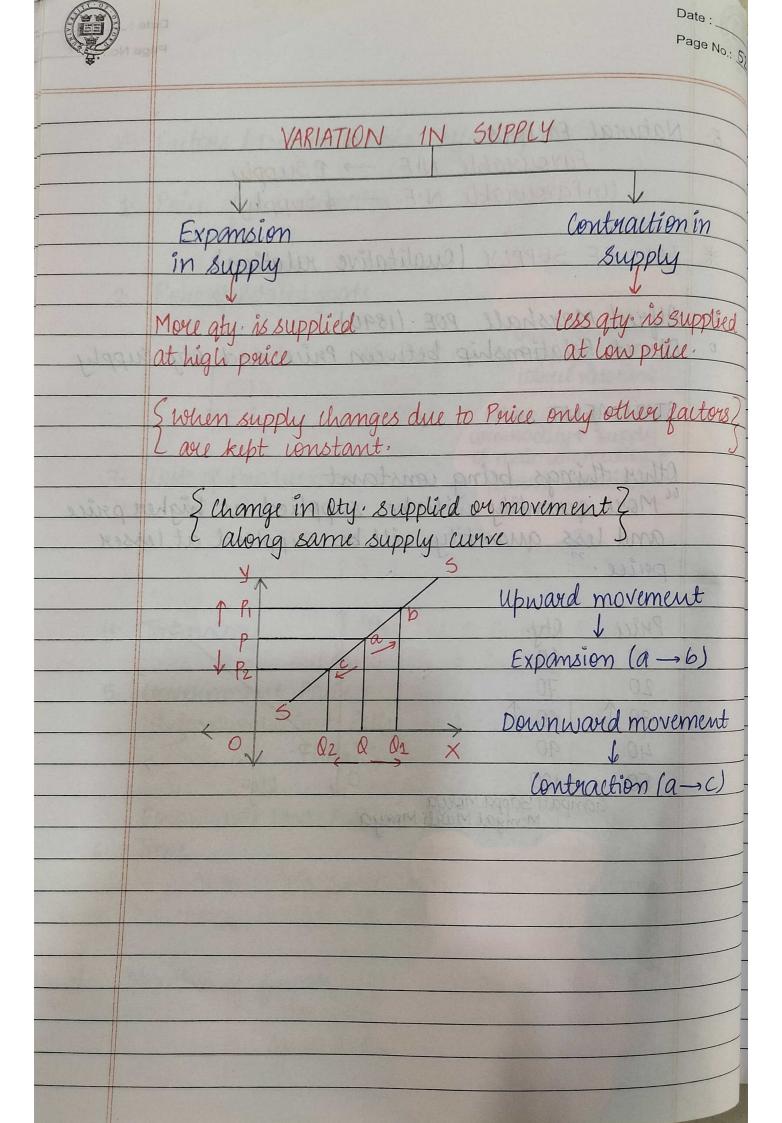
	Price	Qty.	price 1		5
	10	60	Hand B.		
-	20	70			
-	30 1	80 1			
-	40	90	X 1 2 1	05	
	50	100	0,	Qty.	
		Gompati Bappa M	1044a		

Higher the price higher the supply, lower the price lawer the supply, lower the price lawer the supply. This is called as Law of Supply (2)

Ceterius Peribus lower the supply, (2). This is called as Law of supply (2). Direct relation conting clope, Direct

xllation upward stope Direct relation positive stope (2). Ilusis called as law of supply (2)

Alfred Baba ki Jai!!





*

Date : ____

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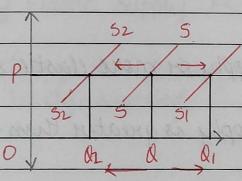
CHANGE IN SUPPLY

Invease in supply

Decrease in supply

Ewhen supply changes due to Other factors, Price ?

Shift in Supply Curve



Rightward Shift

Elasticity Of Supply/Responsiveness to change in supply due toprice

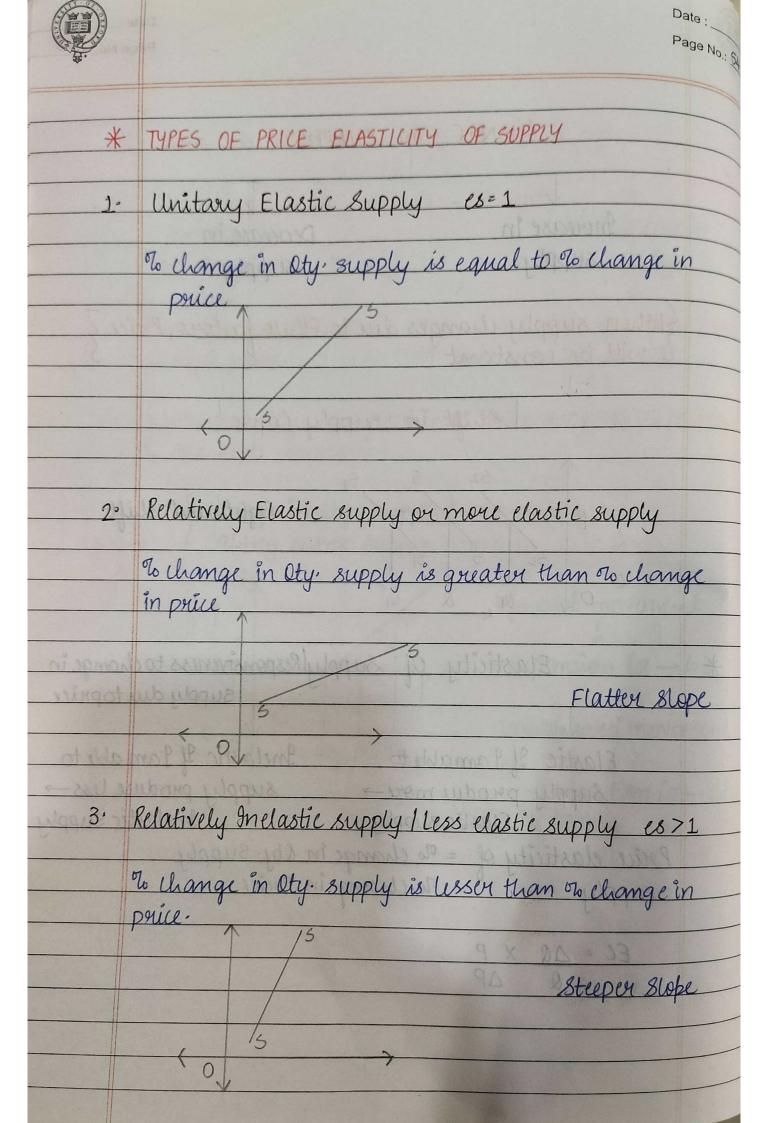
Elastic & Jamable to Inelastic & Jamable to

Supply produce more → supply produce less →

Elastic supply Inelastic supply

Price elasticity of = % change in Oty. Supply supply % change in Price

EC = DQ X P Q DP



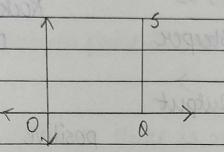


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4. Perfectly Inelastic supply es=0 (no change)

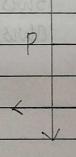
Blight change in price leads to no change in Oty.
supplied.



Eg: Land,
Perishable goods,
Rare articles

5. Perfectly Elastic Supply Es = a

Slight change in a price of a commodity leads to infinite change in Oty. supplied



Horizontal line

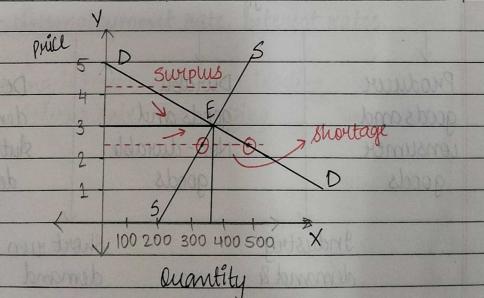


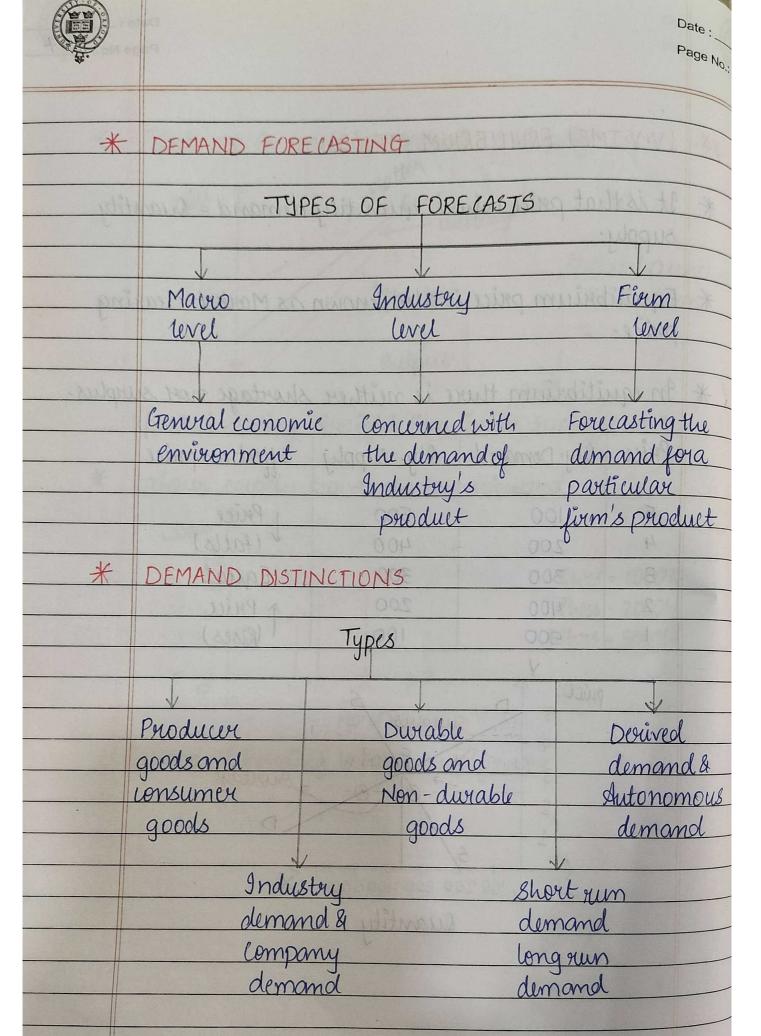
Page No.: 57

* (V. V. IMP) EQUILIBRIUM PRICE

- * It is that price where quantity demand = Quantity supply.
- * Equilibrium price is also known as Market clearing
- * In equilibrium there is neither shortage nor surplus.

	MAN SON	MALE NEWS	Bankuliya 0	MAINTHAN AMANGAN		
ù)	Price	Oty. Demand	Oty. supply	Effect on price		
	No lun i	MANORE PROPERTY PER	wetaubnit	VV		
1	5	100	500	1 Price		
	4	200	400	Price (falls)		
	3	300	300	Equal		No. of the last
	2	400	200	1 Price	MANUAL .	
	1	500	100	(Rises)		







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Concurrent

* LOINCIDENTAL INDICATOR

It has a direct relation. They will change along with the economic changes (simultaneously) Eg:- GDP, Inflation, Retail sales, Personal Income, Industrial Production

* LEADING INDICATORS

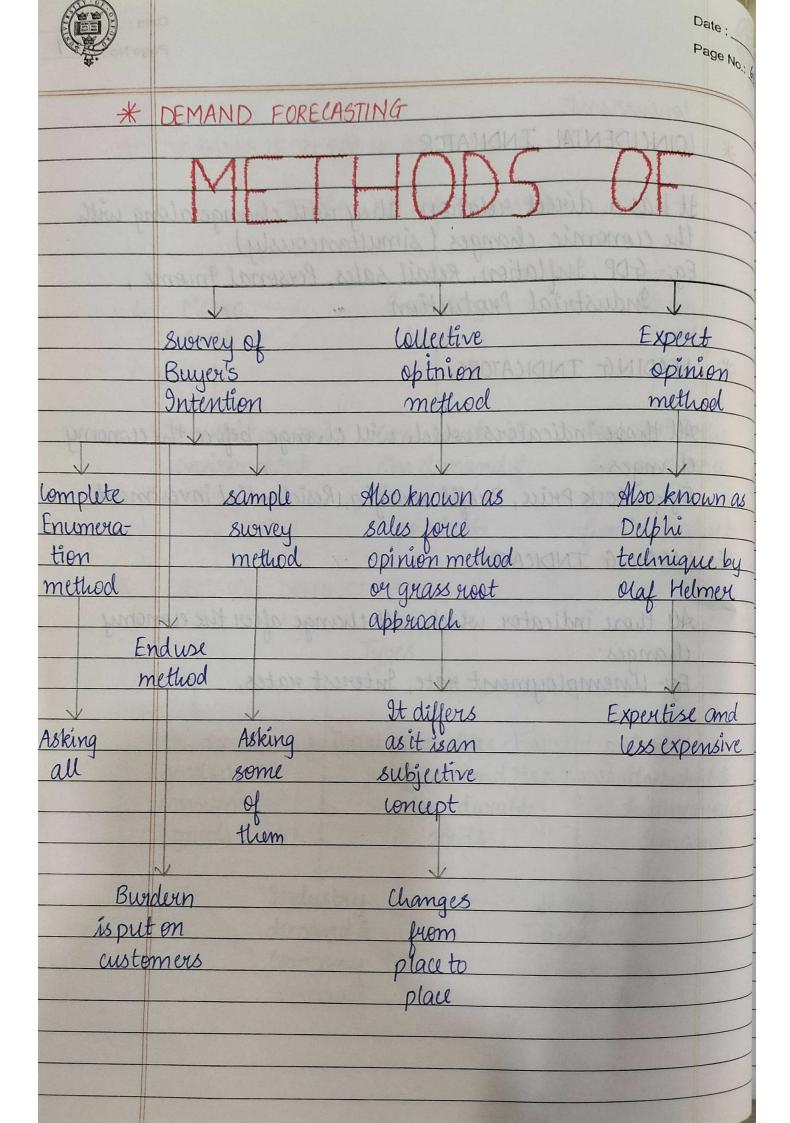
All those indicators which will change before the economy Changes.
Eg:- stock Price, Profit margin, Residential investment.

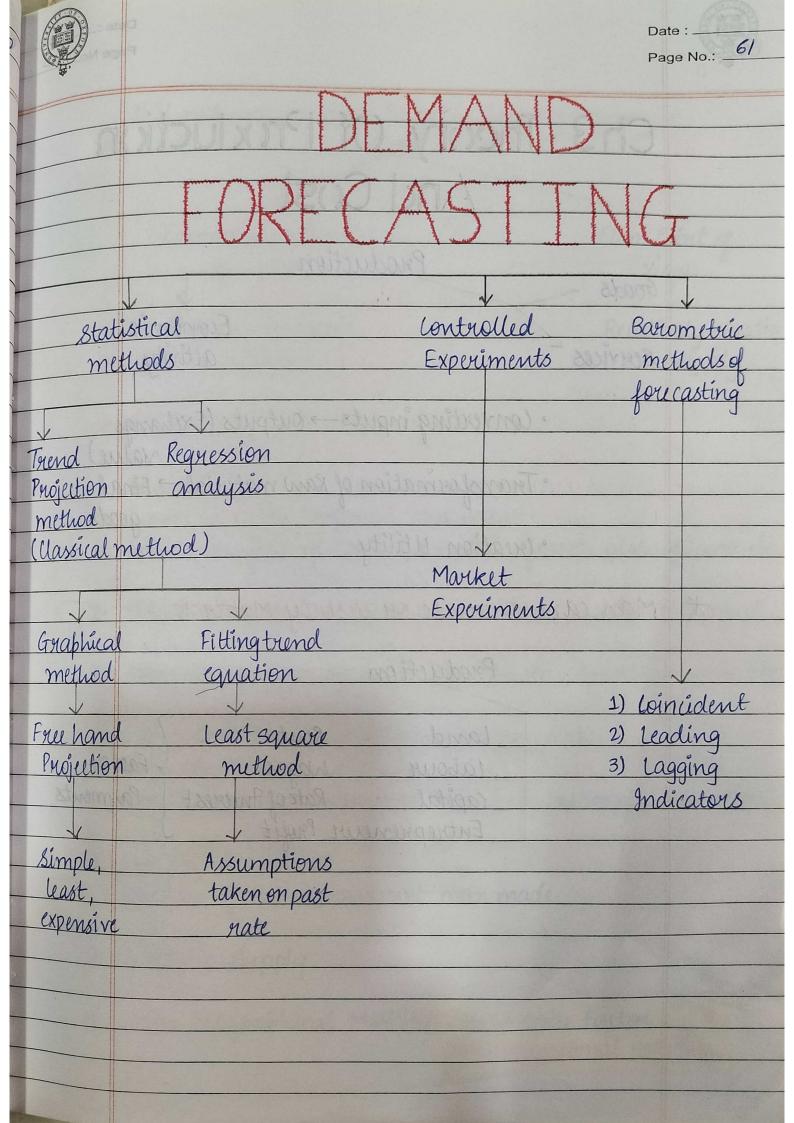
* LAGGING INDICATOR

All those indicator which will change after the economy

Eg:- Unemployment nate, Interest nates,

Housing interest rate -> leading only interest rate -> lagging







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Ch4 Price Determination In Different Markets

	Different Markets
	Perfect competition
	almos intervent
	Monopoly Monopolistic Competition Imperfect Competition
	Oligopoly
	High value goods
	Market:
	It is a place where buyers and sellers come together and strike a
•	buyers and sellers come together and strike a
	bargain,
•	Arrangement between buyer and seller.
	Shout Period Markets daming
	Market: - and invited by the base of the same of the s
•	Buyers and sellers Goods and services
•	
•	Price between be changed unimited single
•	Market knowledge
	New Lang Period Markets
	Classification of Markets:
•	Local Market:
	Perishable goods Milk leggs
eg:-	Milk leggs
	· Filme / Fearmand Market:
	Temporation dans in mean future

	Page No.
矣.	
•	Regional Market: Semi-durable goods Shoes, shirts
	Semi-durable govas
eg:-	Shoes, Shirts
	National Market:-
	Industrial ands
eg:-	Industrial goods Plant and Machine
	Memopolistic (smprifier T mounted compatible
	International Market:
	High value goods Gold / silver
egi-	Gold / silver
	New Ol and Day and Mandack in
, X	Very Short Period Market:- Supply cannot be changed
	supply carries be anninged
	Shout Period Market:
	Supply can be changed but limited
	· Burins and sellins
•	Long Period Market:
	Supply can be changed unlimited
,	Very Loma Pourod Mauleet:
	Very Long Period Market:- Also known as Secular Period Market
	The second of th
•	Spot Market:
	Transaction done on the spot
	10 M
•	Future / Forward Market:
eg:-	Transaction done in near future bredit sales
9,	occur saus



Date:___

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- · Retail Market:
 Goods sold to unltimate consumers
 - Wholesale Market:Goods sold in bulk quantity
- · Regulated Market:Government control
 eg: Stock Market
- · Unregulated Market:No government control
 eg:- Crypto Market

Concept of time element

Alfred Marshall



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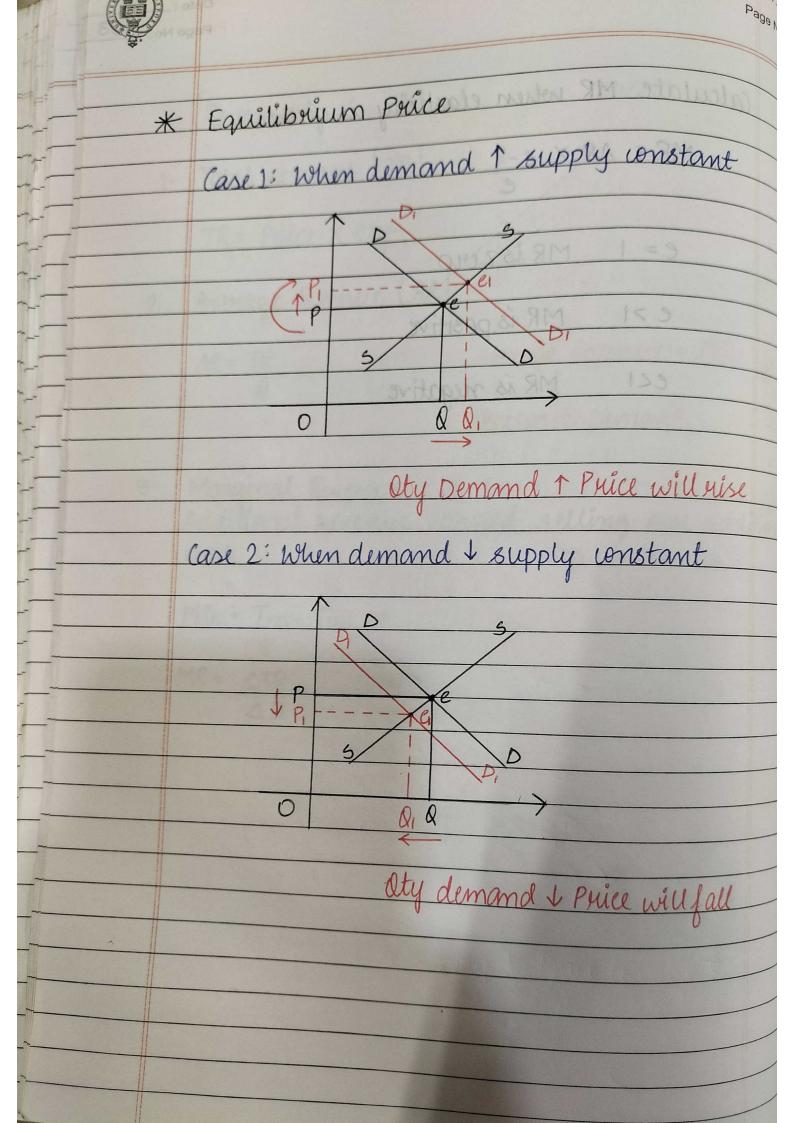
Calculate MR when elasticity is given

MR = AR X e-1

e=1 MRiszero

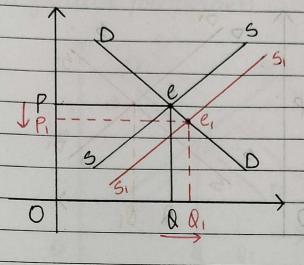
e >1 MR is positive

e < 1 MR is negative



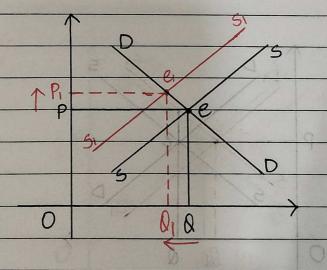


Case 3: When supply 1 demand constant



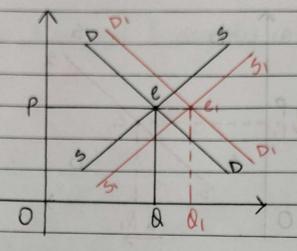
Oty Supply 1 Price will 1

Case 4: When supply & demand constant



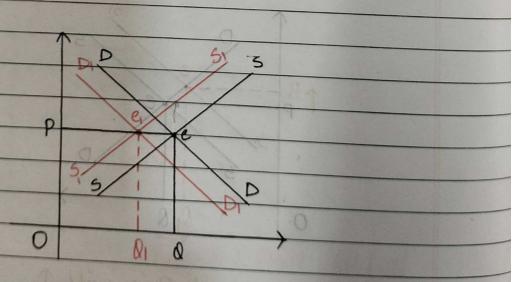
Oty Supply & Price will 1

Case 5: When demand 1 & supply 1 in same proportion



Oty demand & supply 1 Price Constant

Case 6: When demand & & supply I'm same proportion



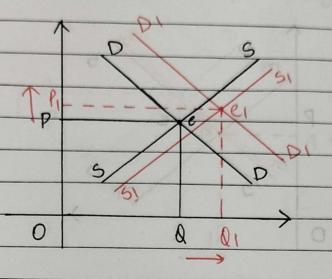
Objdemand & supply & Price Constant



Date :

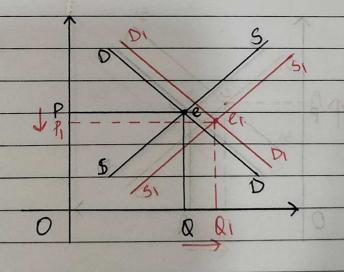
Page No.: 107

(ase 7: When both demand and supply 1 but demand 1 in greater proportion

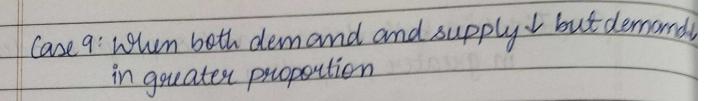


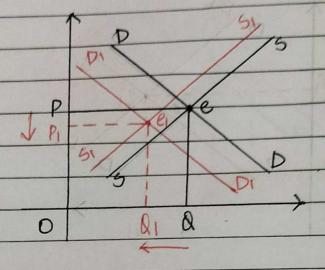
Oty demand & Supply 1 & light 1 in price

Case 8: When both demand and supply 1 but supply 1 in greater proportion



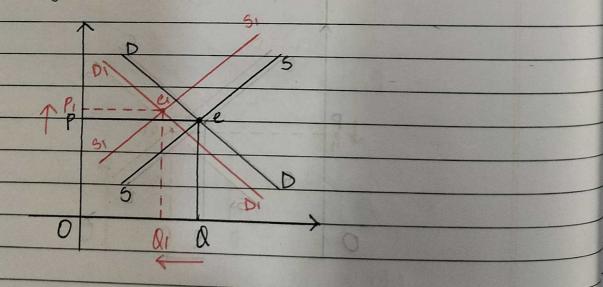
Oty demand & supply 1 Slight fall in Price





Oty demand & Supply & Slight fall in price

Case 10: When both demand and supply & but supply I in greater proportion



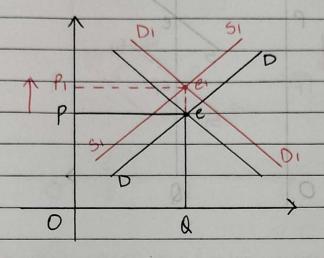
Oty demand & supply & Slight Rise in Price



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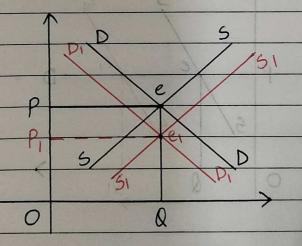
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when II: whendemand I and supply & in same proportion

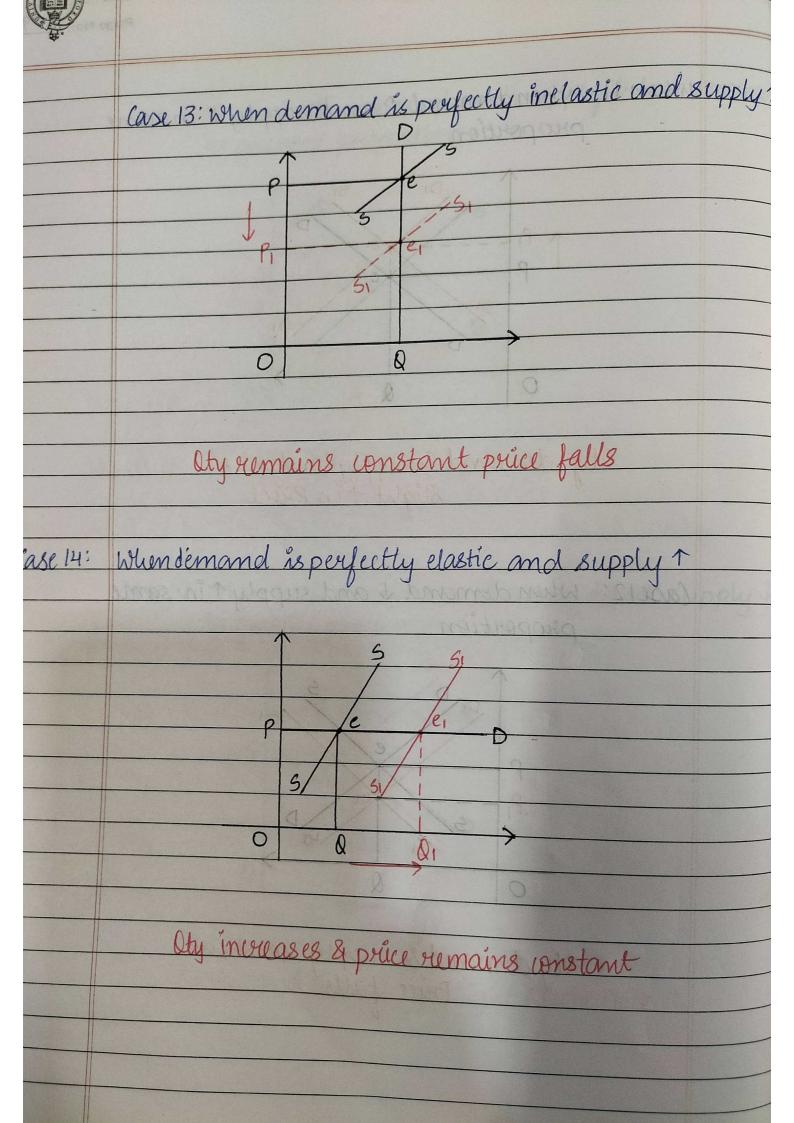


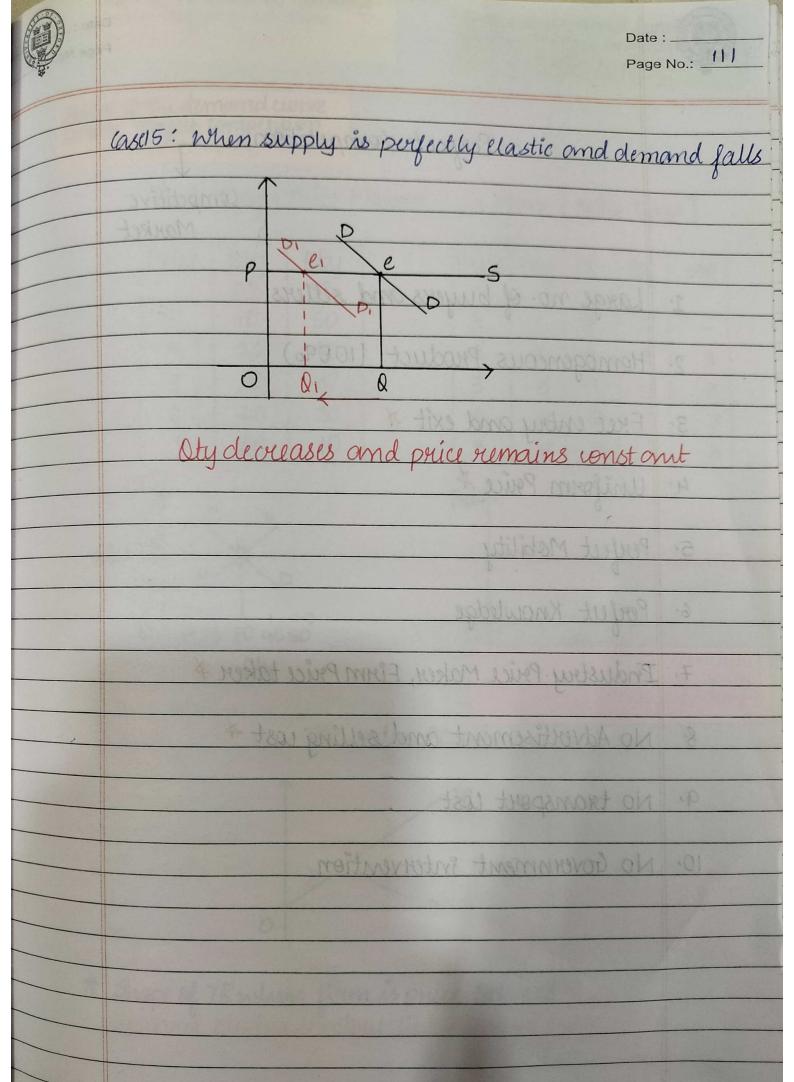
Oty demand & Supply Constant. Slight Tin Prüce

Case 12: when demond & and supply & in same proportion



Oty demand & supply constant Price falls







Slope of demand curve industry under Poyect Competition.
DOWNWARD SLOPE

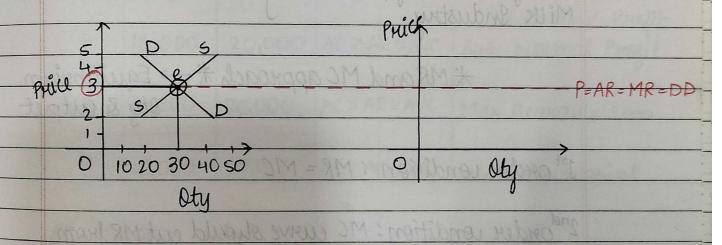
Shape of demond curve fum under Perfect Competition HORIZONTAL

Shape of the demand curve under Proyect competition HORIZONTAL

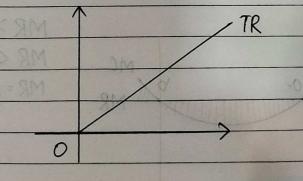
Concept Under PC

Indu	istry l	Price	Maker	they t	Firm	Price	Taker_
0.0.0	01	01	5 (2)	0.0	101		

	Price	Oty	oty	duct 19	Price	Oty	TR	AR	MR	
		DD	55			1	V		- 11	
	5	10	50	Jaixa	3	110	3	3	8 -	
	4	20	40		3	2	6	3	3	
	3	30	30	multura	3	3	9	3	3	EX-
0	2	40	20		3	4	12	3	3	
	121	50	10	Mosked	3	5	15	3	3	



TR under PC



* Shape of TRwhen firm is price taker *
Upward sloping straight line starting from origin



slope of demand curve industry under Perfect Competition.

DOWNWARD SLOPE

Shape of demond curve fum under Perfect Competition HORIZONTAL

3

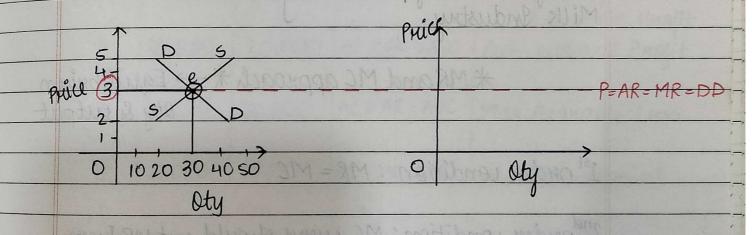
3

15

Revenue Concept Under PC

	Indi	istry [Price M	1aker]	and F	ínm	Prie	e Tak	er]	7.1
	Price	Oty	oty	duct 19	Price	Oty	TR	AR	MR	
Alle Control of the	5	10	5S 50	Exist	3	1.1	3	3	8 -	
-	4	20	40		3	2	6	3	3	
PRINCES AND PERSONS	3	30	30	ruttura	3	3	9	3	3	MAX.
SALING SALES OF STREET	2	40	20		3	34	12	3	3	

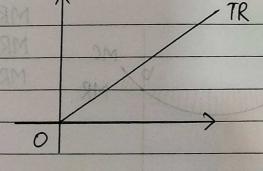
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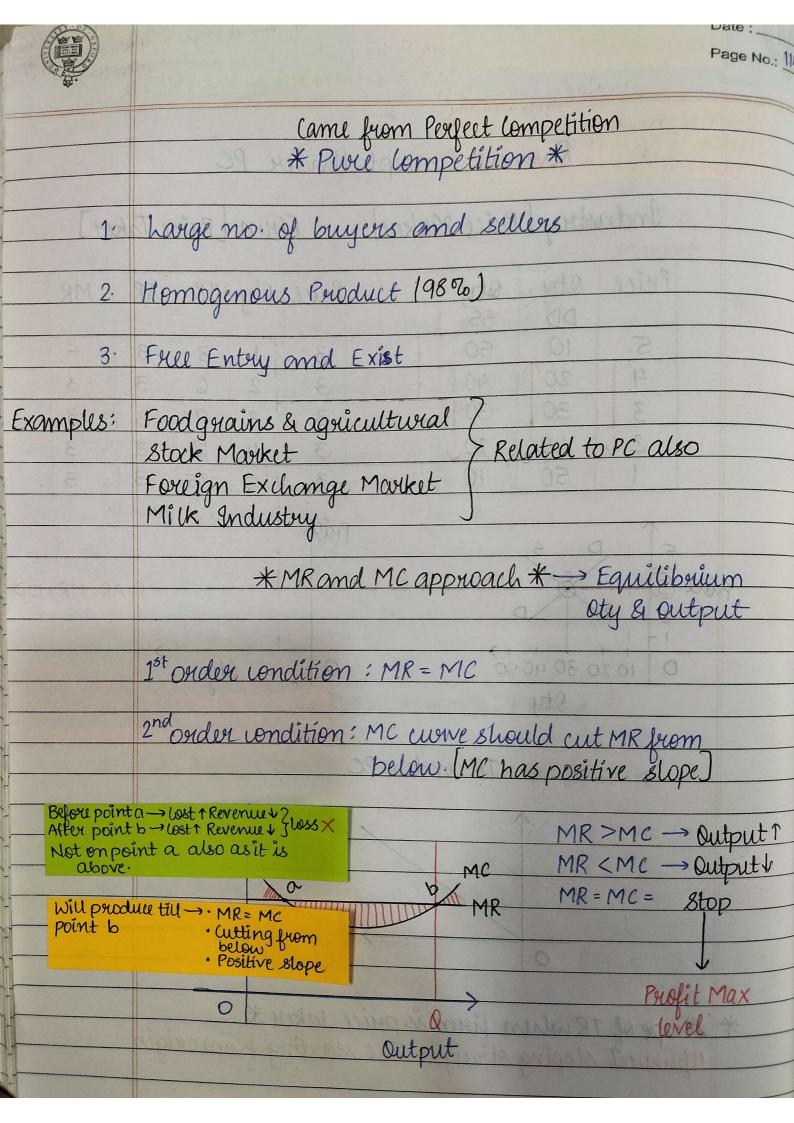
TR under PC

10

50



* Shape of TRwhen firm is price taker *
Upward sloping straight line starting from origin





Date : ____

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* AR and AC Approach *

Average (ost (AC) = AFC + AVC 20,000 = 8,000 + 12,000

Profits & horses

1					
-	Stage	AR	AC	Relation	Name
-			DA ON		- Co. II W
-	1	30,000	20,000	AR > AC	Super-Normal Profit/
-			2		Abnormal Profit
A Second second in	2	20,000	20,000	AR = AC	Normal Profit / Zero
- Division of the local			y	2006 - Revenue	Economic Profit
the same of the last	3	15,000	20,000	AC > AR > AVC	Sub-Normal Profit
-		High	Lowerell	PRAB & SUDME	D
-	4	12,000	20,000	AC>ARZAVC	Max Bearable Loss
1				Vils AR = AC	* Normal PH
-	5	10,000	20,000	AC> ARCAVC	Shut down point
-			N. K.	1	

Shut down point

AR < AVC

AR = AVC

PXAVC

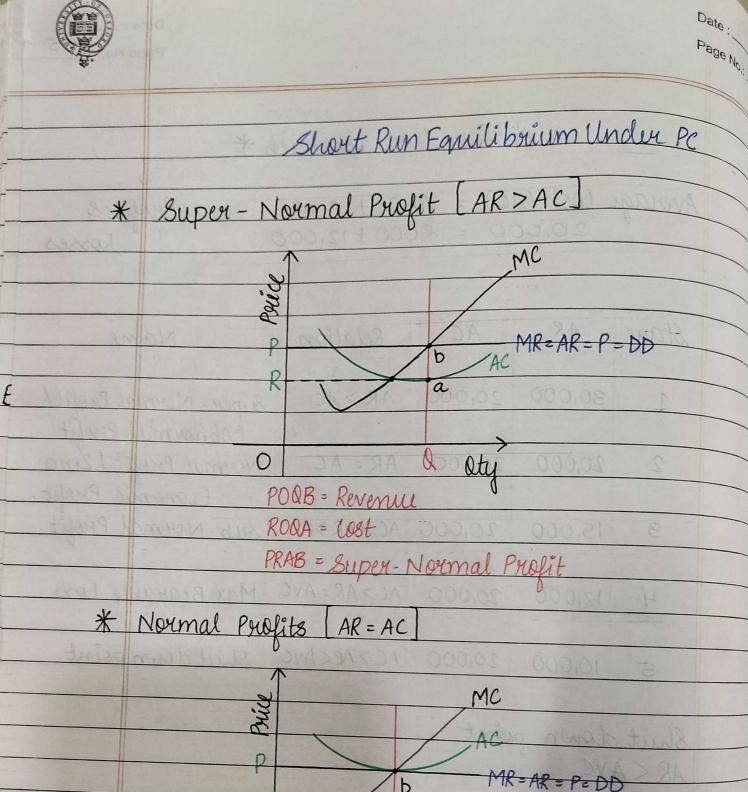
P = AVC

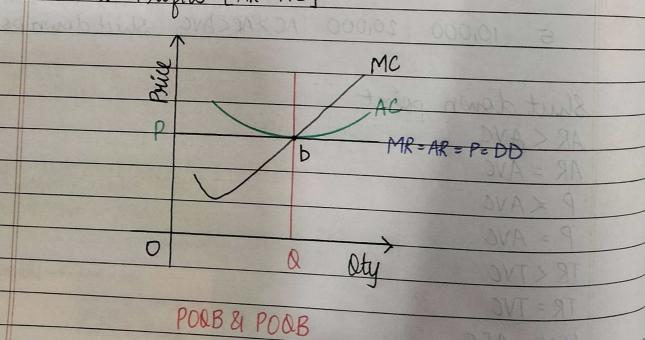
TRETVC

TR = TVC

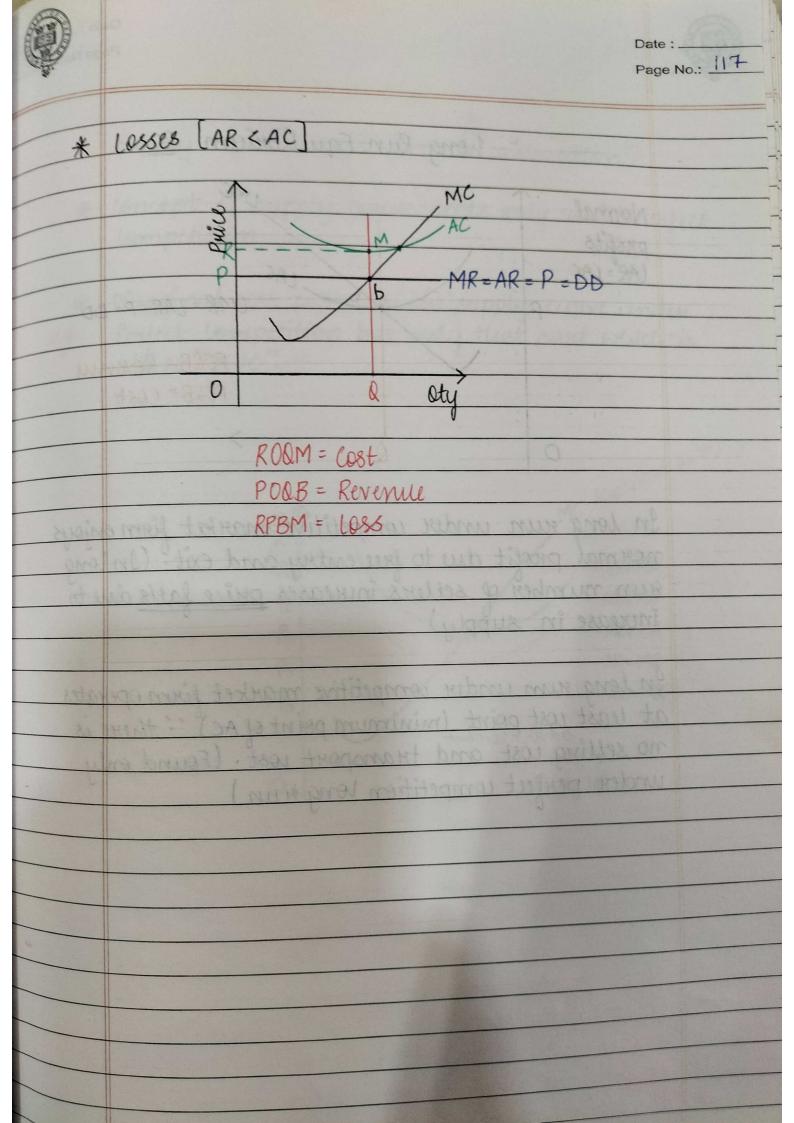
LOSS = AFC

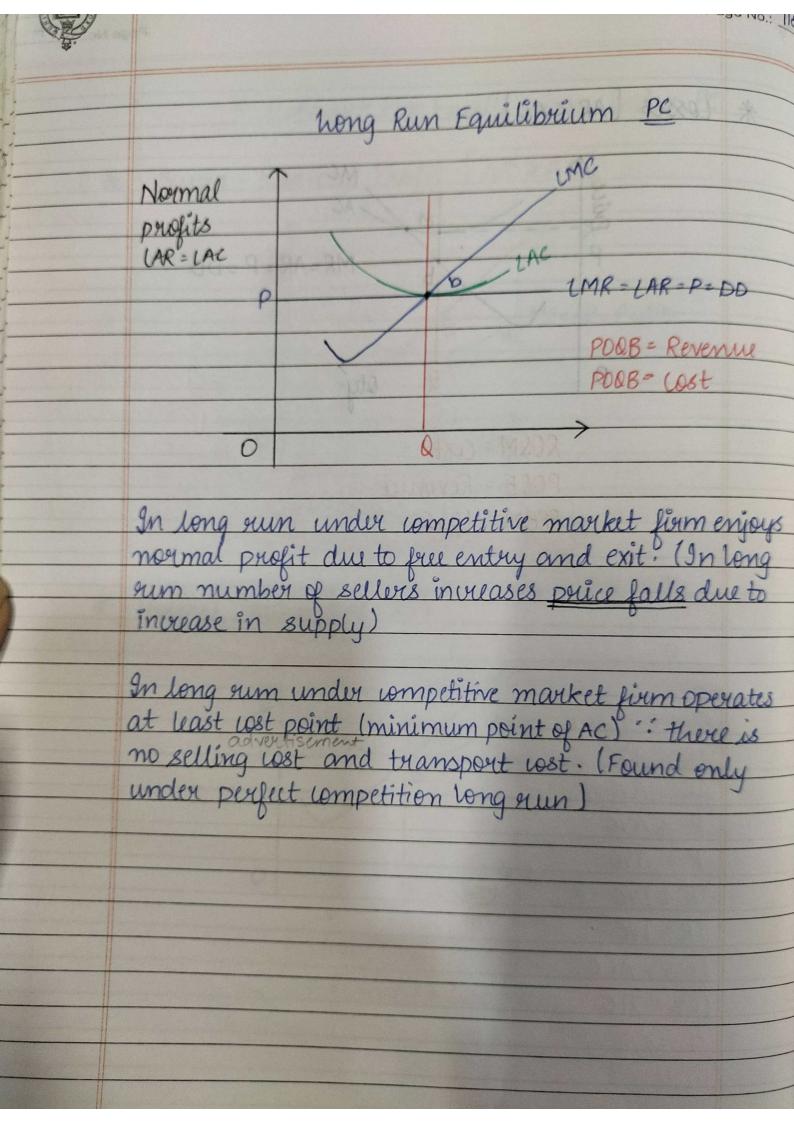
LOSS = TFC





= Revenue = cost







Date : _____

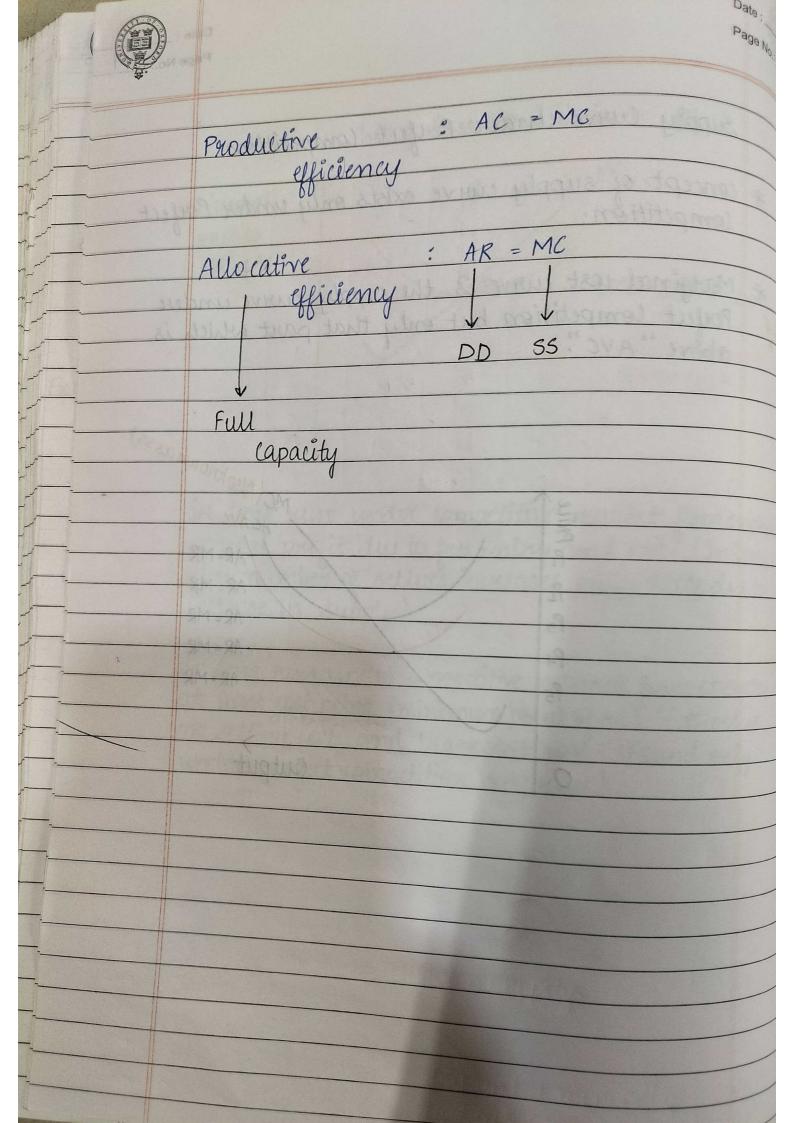
Page No.: 119

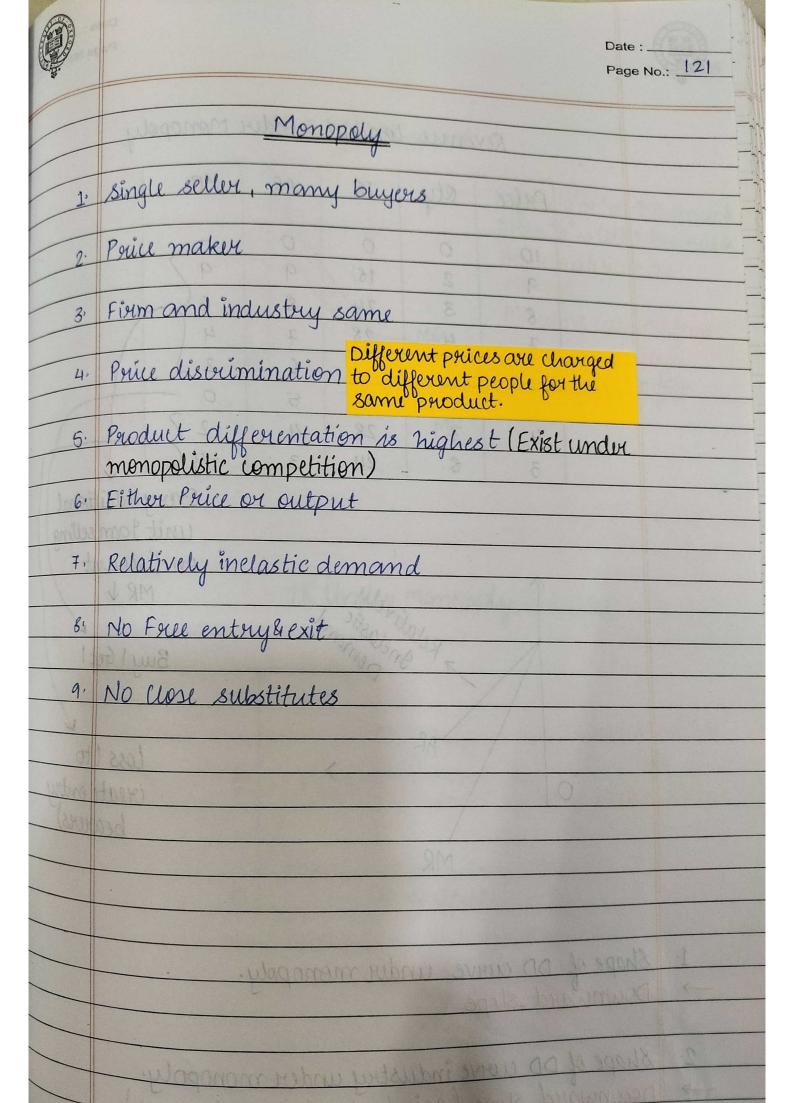
Supply Curve Under Perfect Competition

* concept of supply curve exists only under Perfect

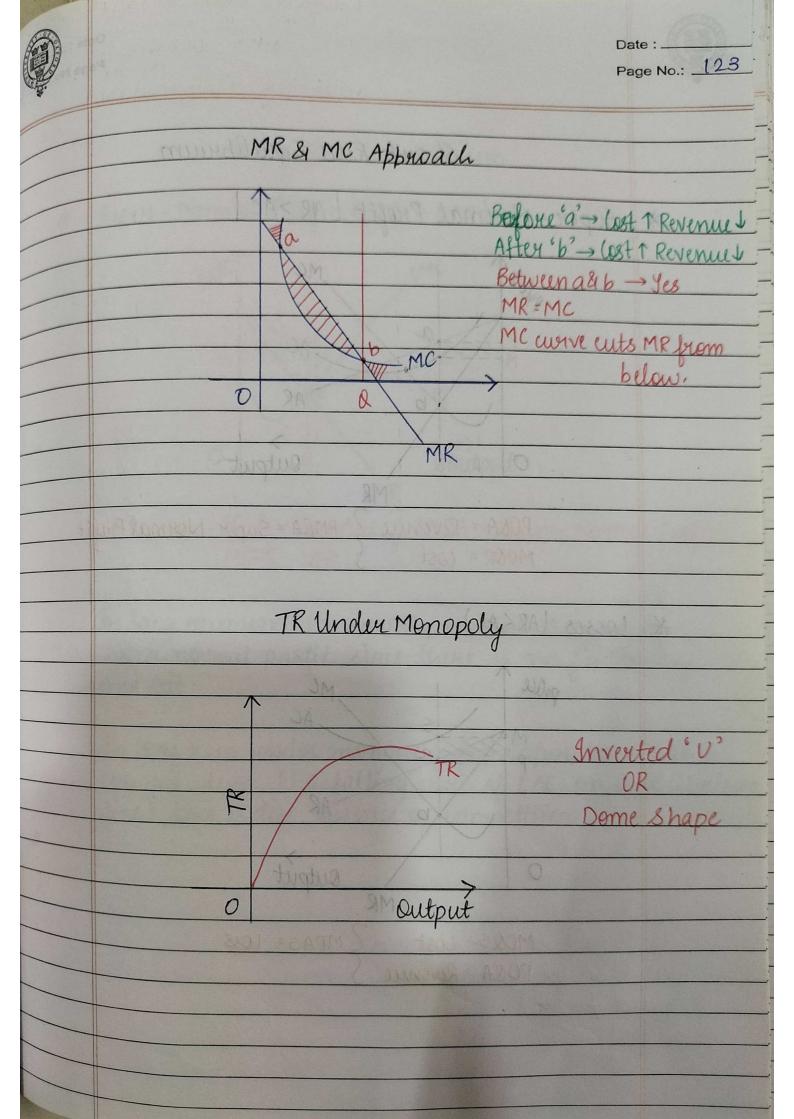
* Marginal cost curve is the supply curve under Perfect Competition but only that part which is above "AVC":

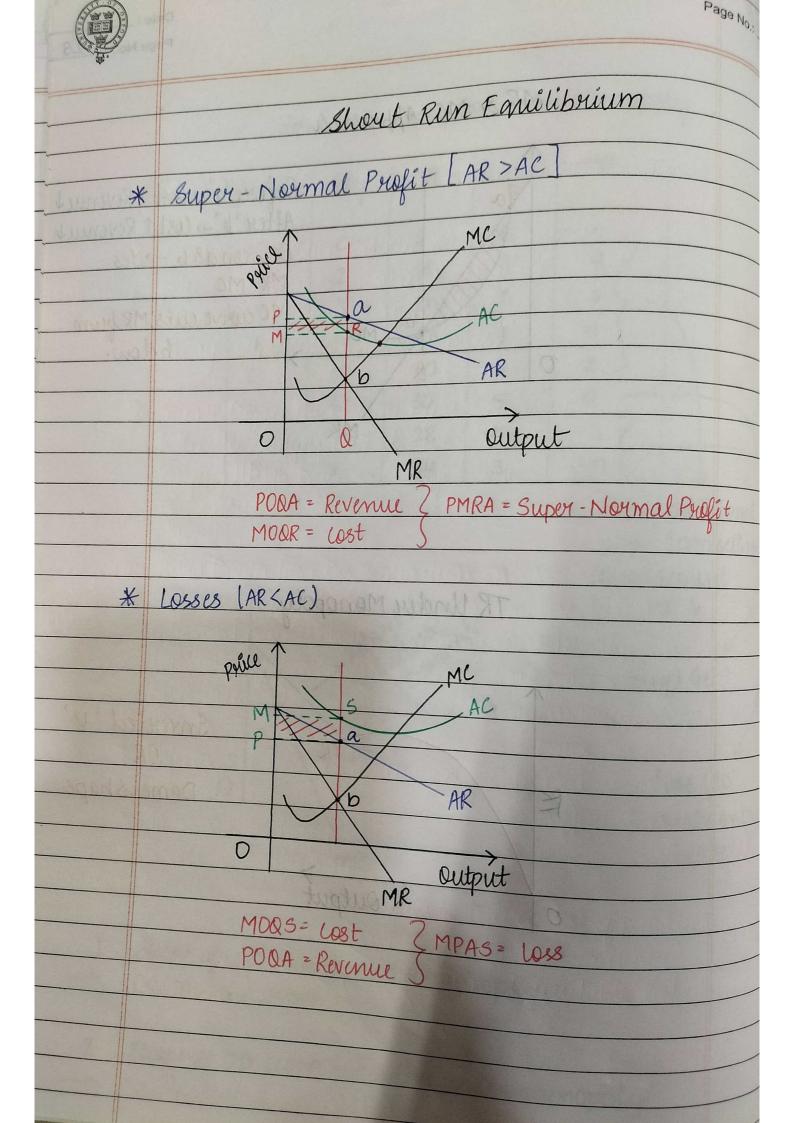
PI AR=MR
AR=MR
AR=MR
AR=MR
AR=MR
AR=MR
O
O
Output



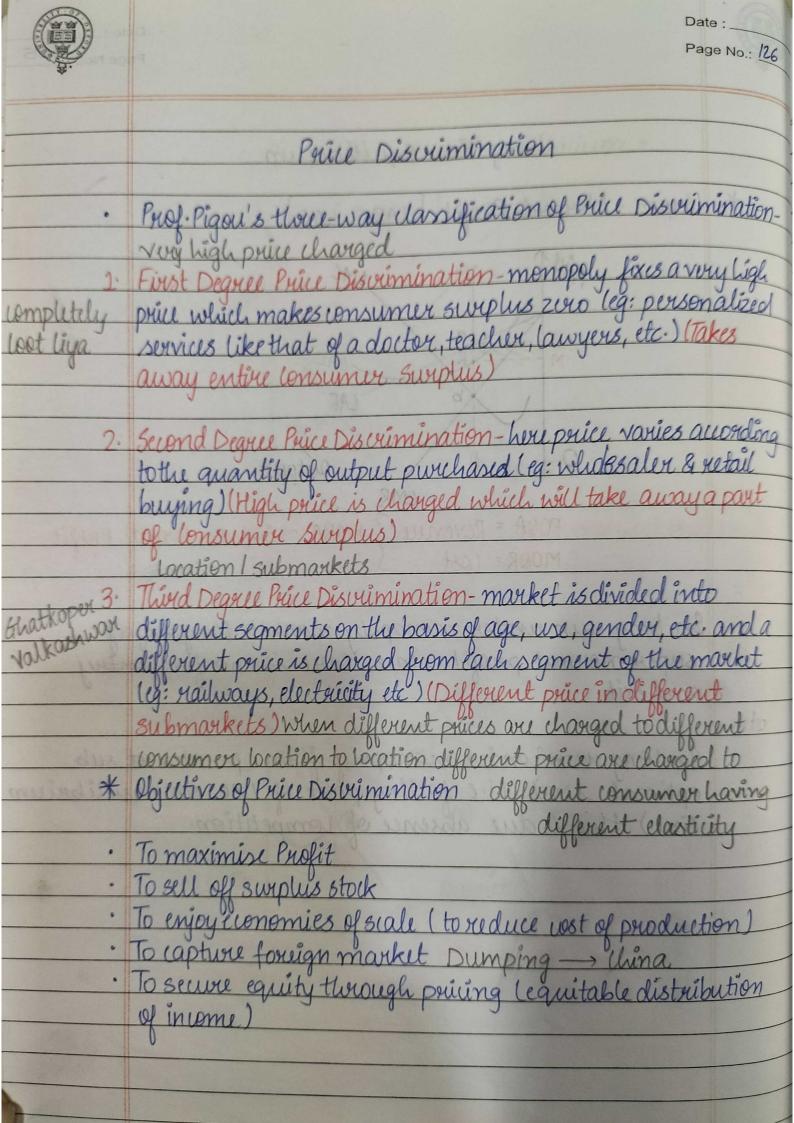


	Revenue Concept under Monopoly								
		Price	oty	TR	AR	MR	Single	1	
		10	0	0	0	Motocc	Polite	2.	
		9	2	18	9	9/			
		8	3	24	8	67	Figure	8	
		7	4	28	7	4			
		6	5	30	6	2)	Print	1-12	
		5	6	30	5	0 -		1	
	мры	4	7	28	4	-2 (Packet	1.3	
	TO A S CO.	3	8	24	3	-45	Trestor		
				L. t.	t outp	Eve	ry addi	tional	
						uv	it gam	selling	
				emona	astic d	9n	discou	nt	
				Me			MRV		
			200	ati ashic	d	ee entr	NO FA	4	
			7 to	moderal strong	V		Buy 1 Go	et 1	
			/		stillede	316 Sello	NO TH	1 1 1	
			AR					4	
			1111		>		loss	1 to	
		0					creat	e entru	
								arers)	
			MR						
	01								
1.	Shape	of DD	more 1	induz m	renopo	ly.			
>	Down	Nard &	lope			7			





	- Date :
**	Page No.: 125
	hong Run Equilibrium
*	Super-Normal Profit [LAR > LAC]
	poile LMC
	P a NAC
01.2	b LAR
1 Polo	O Q Output
	POQA = Revenue Z PMRA = Super-Normal Profit
	MOQR = LOST
+340	In long run under monopoly market they enjoy super normal profit since there is no free entry
	and exit
	In long run under monopoly firm operates at sub optimal level (i.e falling part of LAC on equilibrium line) this is due absence of competition.
	line) this is due absence of competition.
	* To establish of the reduce iset of another
	THE PROPERTY OF THE PROPERTY O
	de internet equippeternique equitable distails





Monopolistic Competition

Perfect Competition + Monopoly

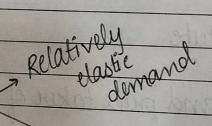
- 1. Fairly large member of buyers and sellers
- 2. Product differentation
- 3. Free entry and exit
- 4, selling cost
- 5. Loncept of Group
- 6. Loncept of Brand
- 7. Uose substitute
- 8. Price maker and price taker of its own product
- 9. Relatively elastic demand (e>1) (Negative 1 Downward Slope highly elastic demand)



Date: Page No.:

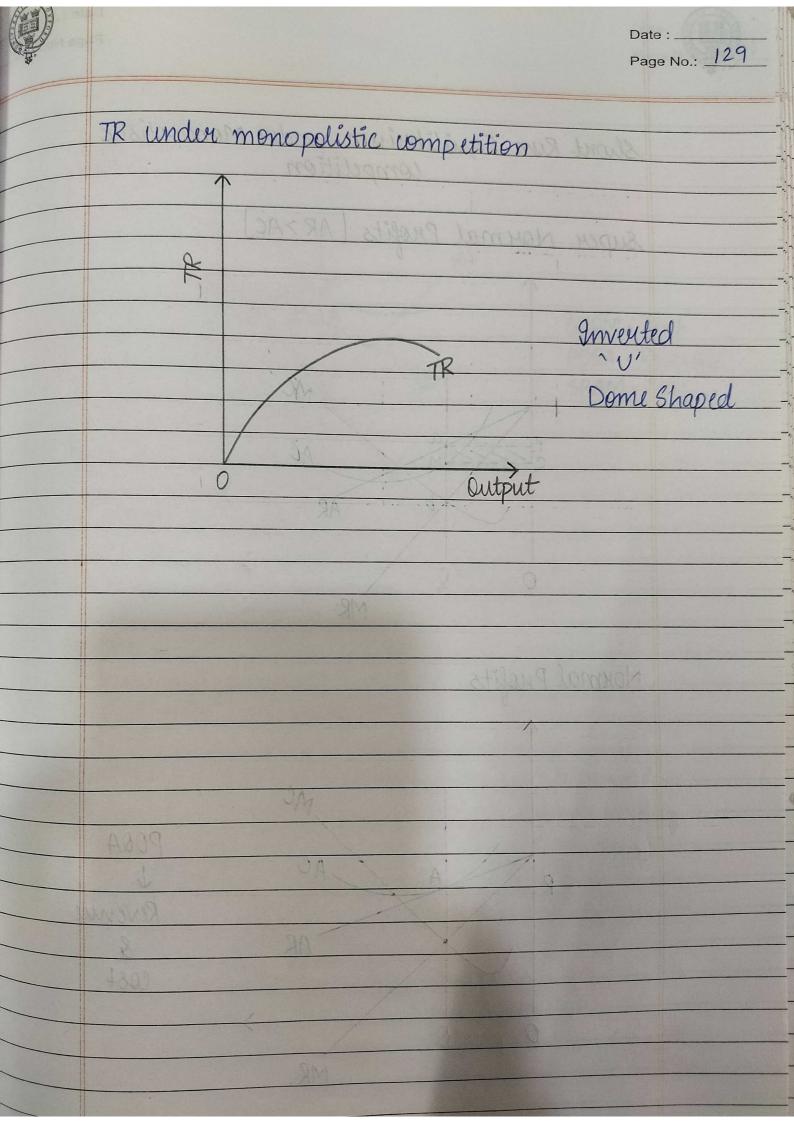
Revenue concept under Monopolistic Competition

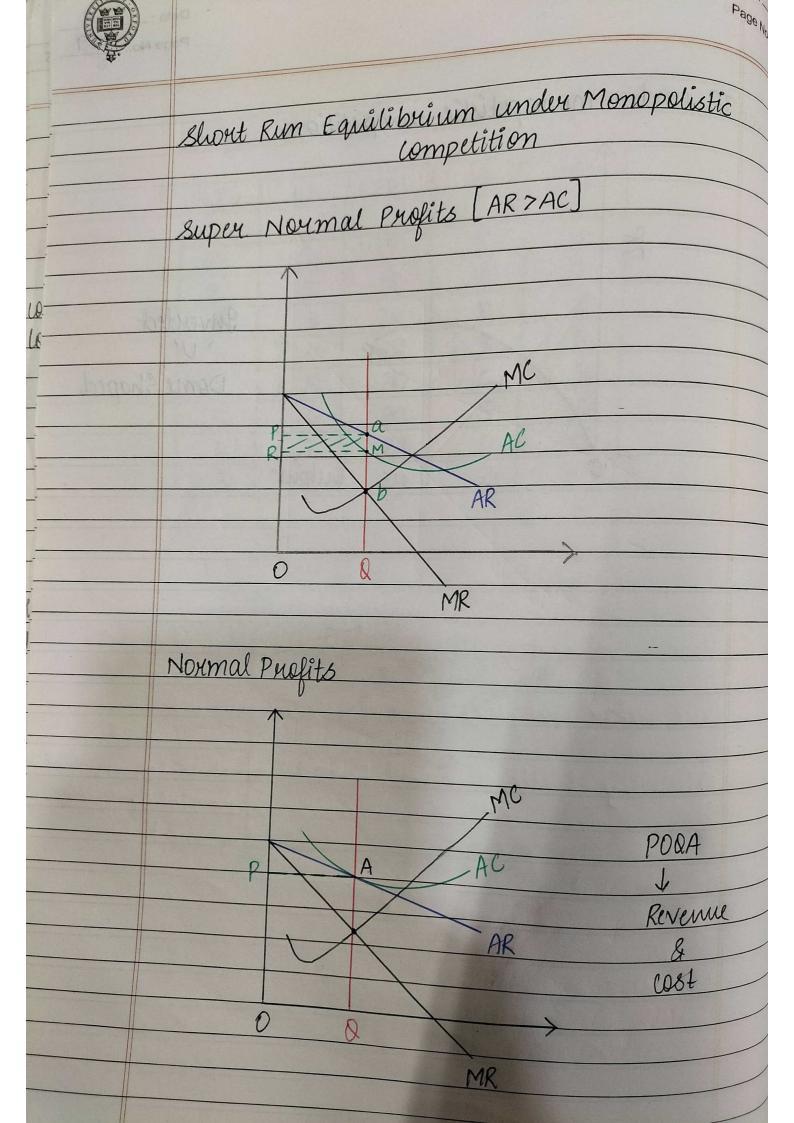
						1 10	
-		Price	Oty	TR	AR	MR	
			7				
	1	10	0	0	0	in John	In sulvino
		9	2	18	9	9	V
		8	3	24	8	6	3. Modure
	1	7	14	3:28	7	4	
-		6	5	30	16	12	3 Fur ent
		5	6	30	5	0	
		4	7	. 28_	4	-2	n silina (g
		3	8	24	3	-4	

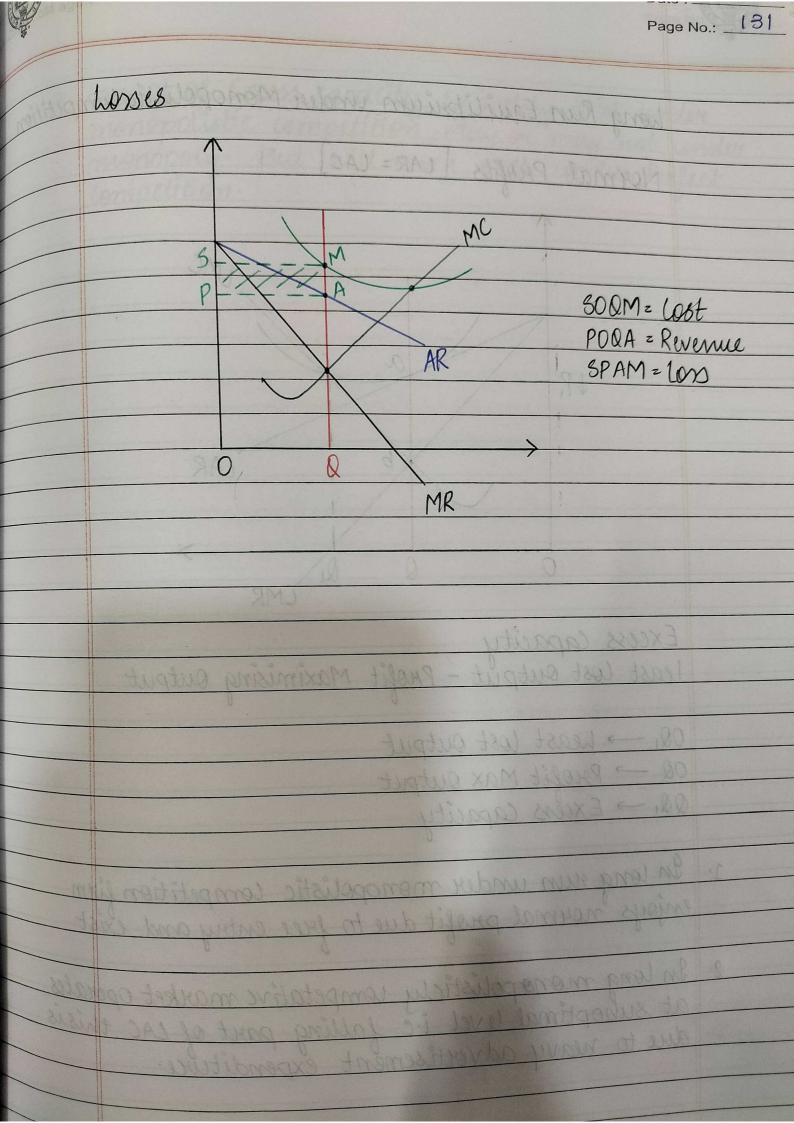


AR

MR

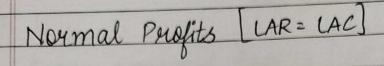


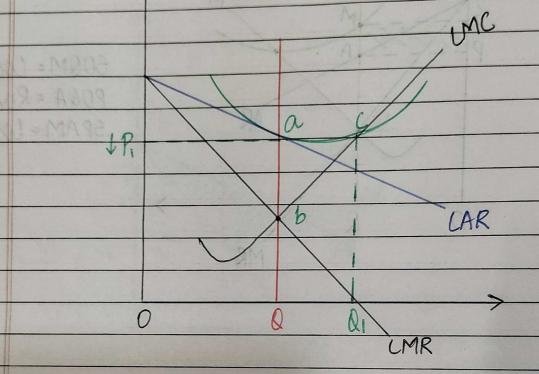






Long Run Equilibrium under Monopolistic Competition

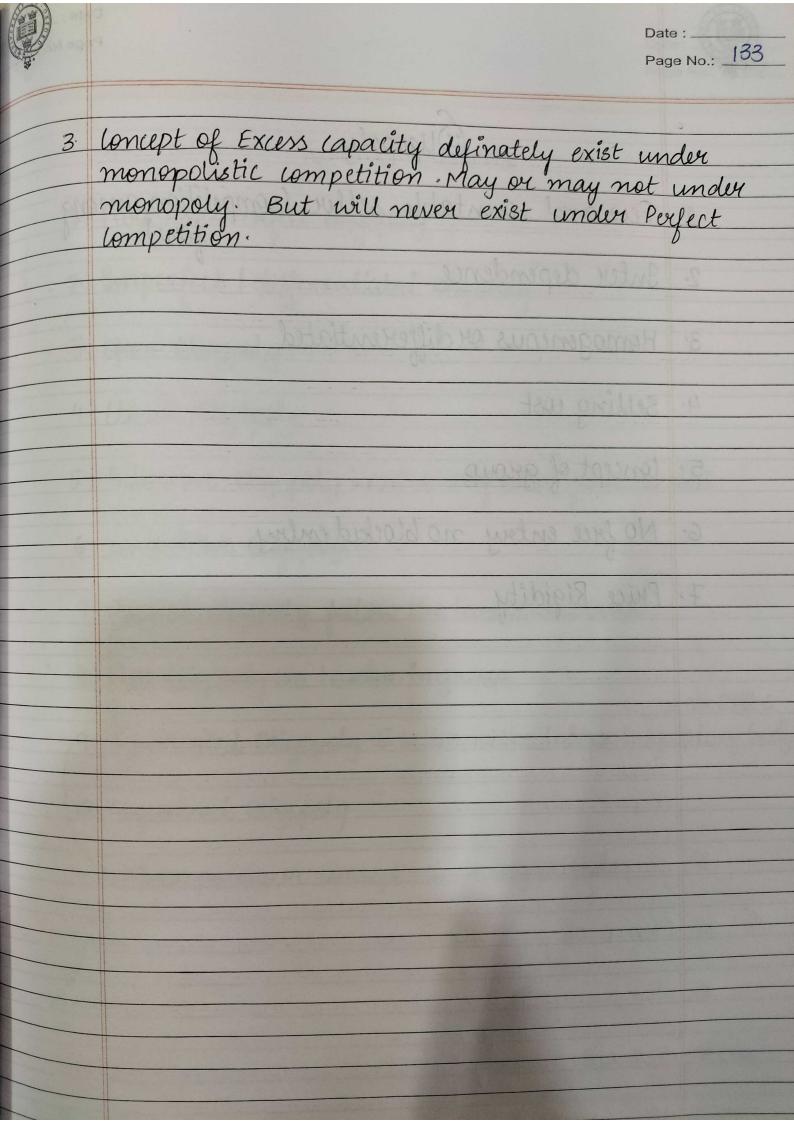


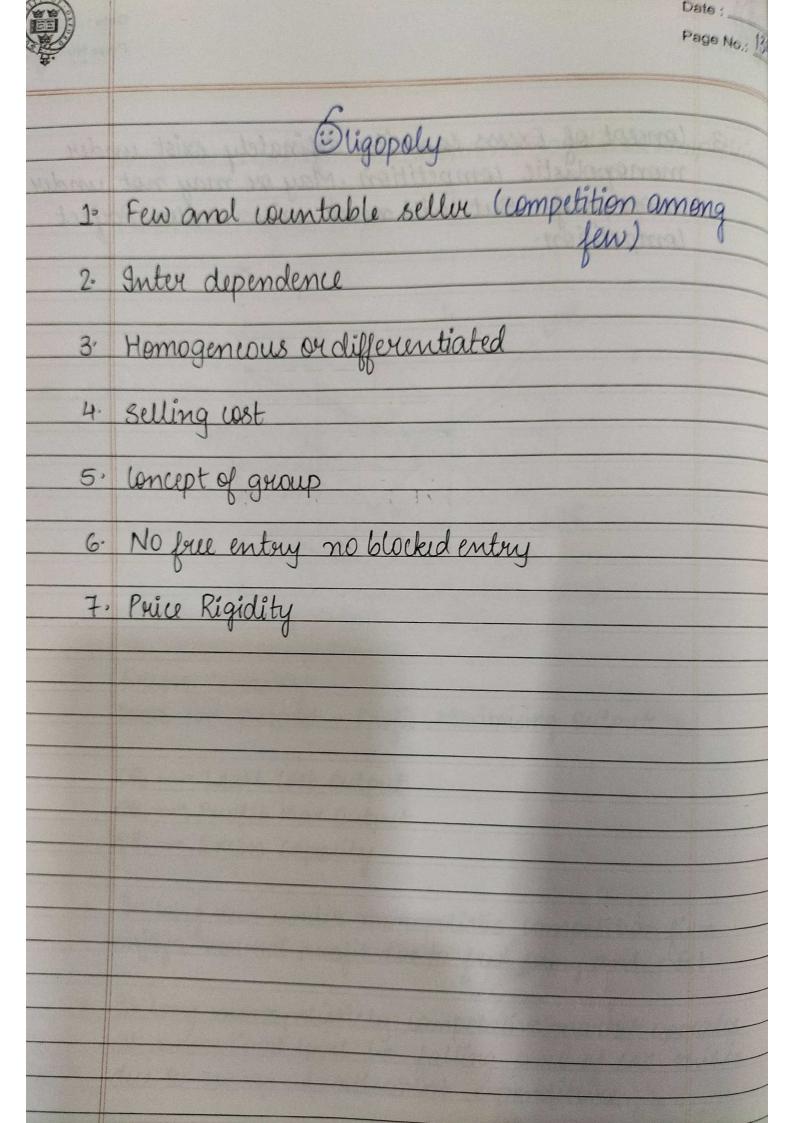


Excess capacity Least Cost output - Profit Maximising output

00, → heast lost output 00 → Profit Max output 00, → Excess capacity

- 1. In long run under monopolistic competition firm enjoys normal profit due to free entry and exist
- 2. In long monopolisticly competative market operates at suboptimal level i.e falling part of LAC this is due to neary advertisement expenditure.





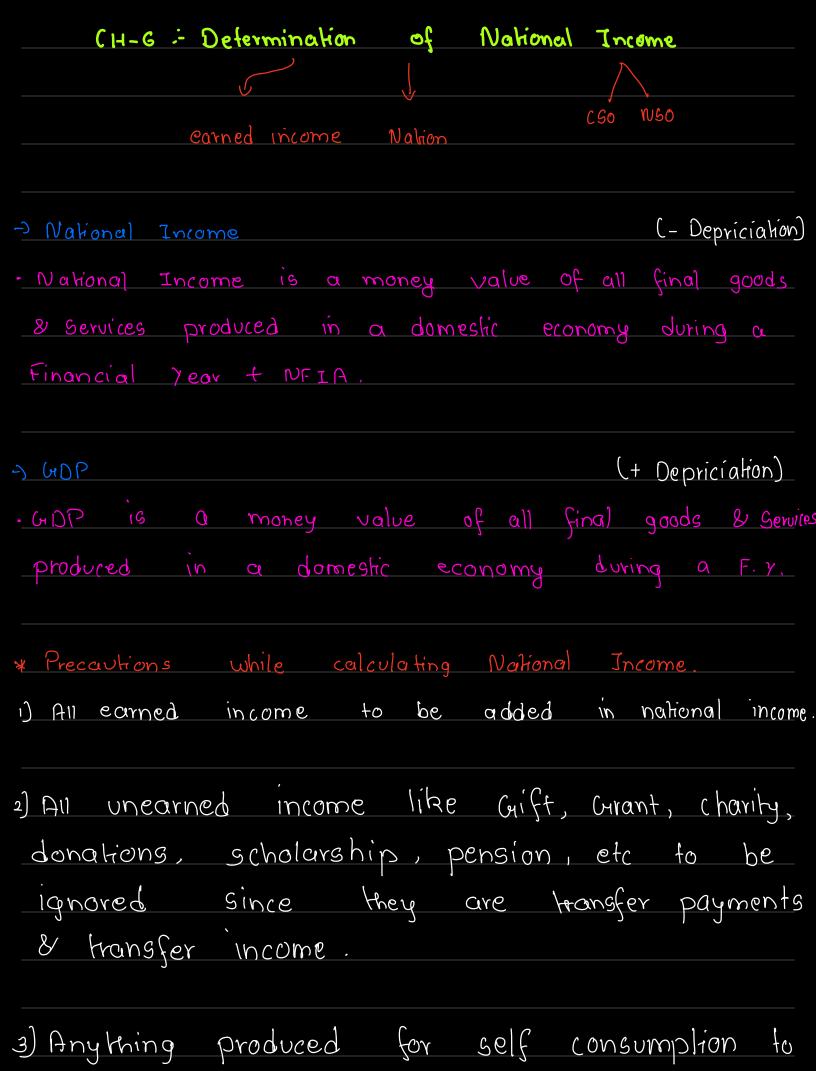


Types of Oligopoly

- 1. Pure and Perfect Oligopoly
- 2. Imperfect I differentiated oligopoly
- 3. Open Oligopoly
- 4. Used Oligopoly
- 5. Collusive Oligopoly header sirf price fix karta hai
- 6. Competitive Oligopoly
- 7. Partial Oligopoly follow the leader constant
- 8. Full Oligopoly No Leader in group

9. Syndicated Oligopoly 5 seller milke lutega hegulatory body

- 10. Organised Oligopoly
 - · More producer concept than organised



be	added		national	income	,	
mon not divi	ey is to be ident Nationa	invest recol	red. in rded. I	Shares Jowever	bonds, wheest be	FD's,
	alional Do Nationa				be reco	orded
Pro	y hind duct fo be	where	product-	on is	done in	n P. Y.
is a	earned bala h	via ansacl	smugo	oling, b	lack marl be odda	reting,
	ny hind ne adde			•		

- 8) Foreign Company goods in India value of goods produced to be added profit to be excluded.
- a) Rent, Wages. Intrest, profit, commision, brokerage mixed income to be added in national income since they all come under national income.
- row material, Intermidiate goods, work in progress, semi finished goods not to be recorded since it will lead to double counting.
- in) (711 exports & Receipts are added & all imports & payments are deducted.
- business stock, Stock of gout-goods to be

added in national income -) Transaction done in same year take netvalue Profit - Enterprenur, Gain - Personal. * Formulas x (A-P) = Receipts - Payments oc = export m = Import. D = Demand. IT = Indirect Tax S = Subsidy (sc-m) = export - Import C = consumption MP = Market Price I = Investment FC = Factor Cost. G = Croverment -) Concept of National Income. 1) CAP MP :- (+ I+ G+ + (>1-m) (1) FC : (+ I + G + (x-m) - IT + 5

```
2) GNPMP: (+I+G+(21-m) + (R-P)
```

* Shortcuts *

-) Grass = Net + Depriciation.
-1 NNPmp = GNPmp - Depriciation.
2 NNPmp = GDPMP + NFIA - Depriciation.
3 Factor Cost = Market Price - IT+5
-) Market Price = Factor Cost - IT-5
* Income Method
NNP Fc: Compensation of employees [Solary + Wages]
Operating Surplus [Rent + Intrest + Profit]
Mix Income
NFIA,
7 Person al Income. = National Income.

Wages + Intrest + Profit + Divident + NFIA + Rent
1 Mixed Income - Undistributed Corporate Profit
- Corporate Profit tax - Social Security contribution
* Personal Income CACC to ICAI)
Personal Income = National Income + Income Received but not earned - Income earned but not
Received.
* Private income
Factor income from net domestic product
NFTA
<u>t</u>
Current transfer from Government.
<u>+</u>
Other net transfer from rest of the world.

National GDP INI	Real GOP INI
-) Basis of Price	-) Basis of Output
-> (urrent Price	3 (onstant Price
-) False Gerowh	-) True Growth.

Pen.	Case <u>f</u>	Case 2
0 utput: 100,000	0 utput: 100,000	0 0 tput : 200,000
Price = 27	Price: 45	Price: 2£
Value: 200,000	Value: 400,000	Value: 400,000

GDP deflator -> Price Index.

GDP deflator = Nominal GDP x 100

Real GDP

-) CADP deflator helps us to measure changes in price that is inflation. -) It takes into consideration both nominal GDP as well as Real GDP) The word deflator means to deflate or to take inflation out of GDP -) It is a price index used to convert nominal GDP into real GDP. -) The deflator means to deflate or to take inflation out of GDP. -) It is a price index used to convert nominal COP into real COP. -) The deflator measures the changes in the price that has occured blu buse year & the current years.

* Sums

Nominal (nDP: 3000)

GDP deflator = 120

* Calculate inflation in C.Y.

Inflation for = GDP deflator _ GDP deflator

C.Y. P.Y. X 100

COP deflation P.Y.

x Sums

Year GDP deflator

2018 100

2019 113.63

2020 130.25

for 2019

z 113-63 - 100 x 100

100

13.36 % for 2020 = 130.26 - 113.83 ×) 00 113 - 83 = |4.63 °/0 * Methods of Calculating National Income CIOP + GUAMP: Value of ___ Value of intermediate Output consumption. GIVAMP: Sales + Change in Stock - intermidiate consumption (losing _ Opening Stock Stock * Sums (Pg no 303) 1) C+I+G+ (2c-m) = 750 + 250 + 100 + (100 - 200)

2) GDP MP	
Personal (onsumption (+)	6500
State gout. con. & inv. exp (+)	2000
(entral gout con & inv. exp (+)	500
(hange in Inventory (+)	100
Up domestic fixed inv. (+)	1200
(Export - Import) (+)	(300)
	10,000
+ NAA	100
(-) Dep.	(100)
(-) Net	(150)
	9750
3) CADPMP & NI	
Inventory Mam	loo
(Export - Import)	100
Personal consumption exp	3500
Ciross rese dential inv.	300
Stock bout purchased	1000

Giross	Public Inv.		200	
Grass	business fix inv		300	
	NI		5500	
	- FI		02	
	- Dep.		50	
	- <u>I</u> 1		_100	
			5300	
s) Value of or	ulput in primar	y sector	500	
	output in Terit		700	
	utput in secon)	900	
			2100	(A)
Intermidiate	consumption	in feritary	300	
		primary	250	
	//	secondary	300	
			<u>850</u>	(8)
Z A-B				
= 2100 - 850)			
= 1250				
NFIA - (20)				
1230				

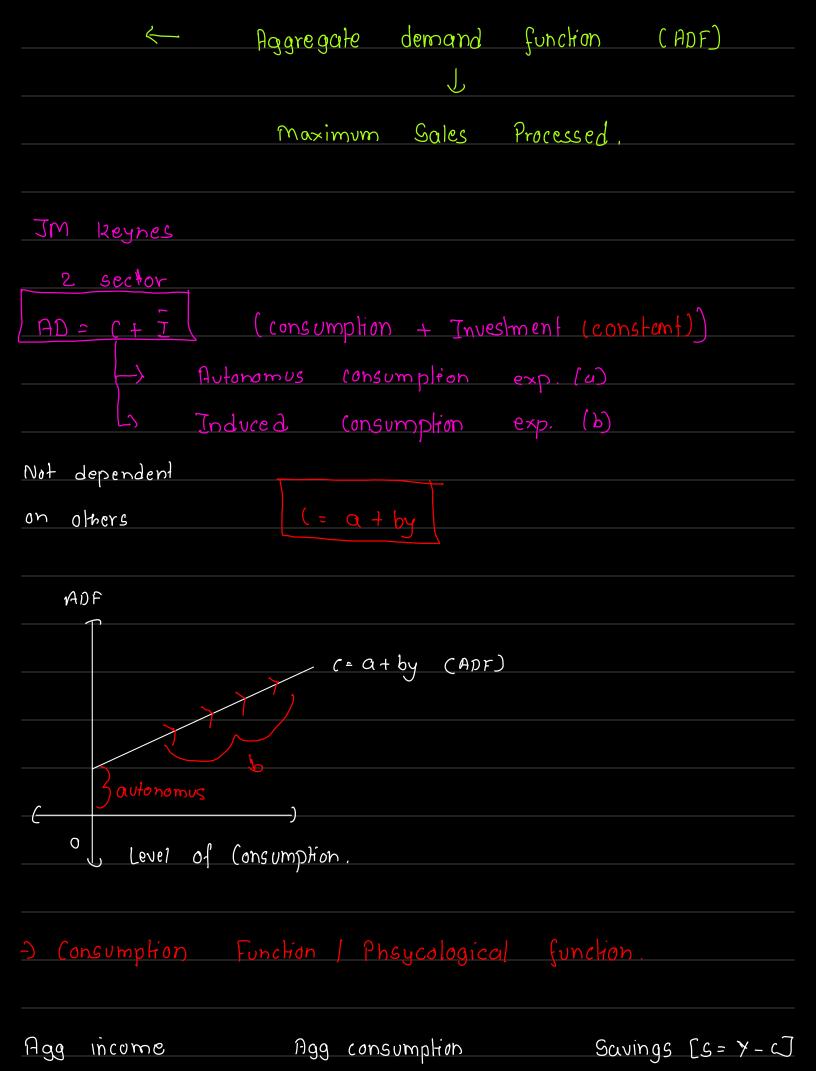
15) Private final consumption expenditure	290
Cnovt.	50
Gross Domestic F.C. information.	105
Net addition to stock.	<u> 19</u>
	460
(-) Net export	<u>(5)</u>
	455
- Consumption of F.C.	(\$5)
IT	(70)
NFIA	(s)
Subsidies	
	<u>385</u>
(4)	
Sales	1000
+ Change in Gtoch (CL-OP)	(100)
(-) intermidiate consumption	3 <i>0</i> 0
GDP mp	600
(-) Depriciation	150
NDPmP	450
(+) WFIA	(0

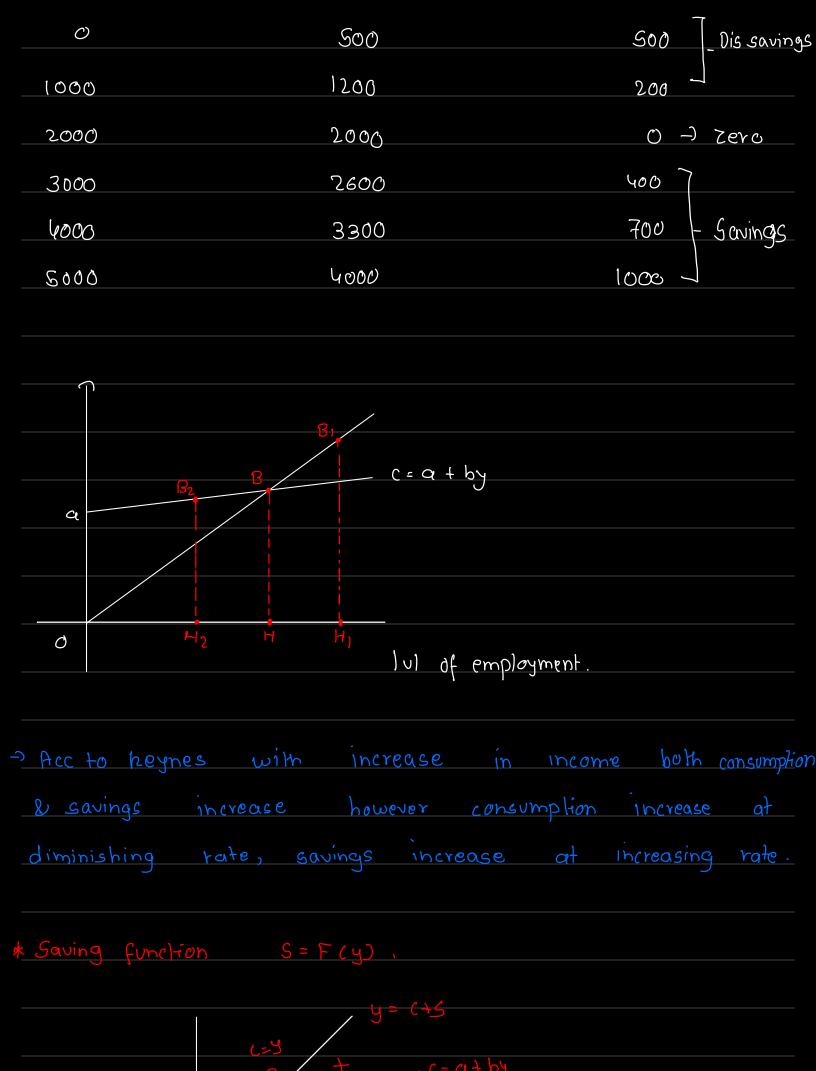
(+) S	O
(-) <u>I</u> T	50
	_ 42g
າ)	
Cuross investment	90
Net export	10
PcE	350
(n) of 6/5	
	590
T I -	(5)
	545
19)	
Wages	0,000
Rent	5,000
Int.	400
Div.	3,000
Mixed Income	400
UID profit	200
SGC	Y00
(PT	_ 400 _

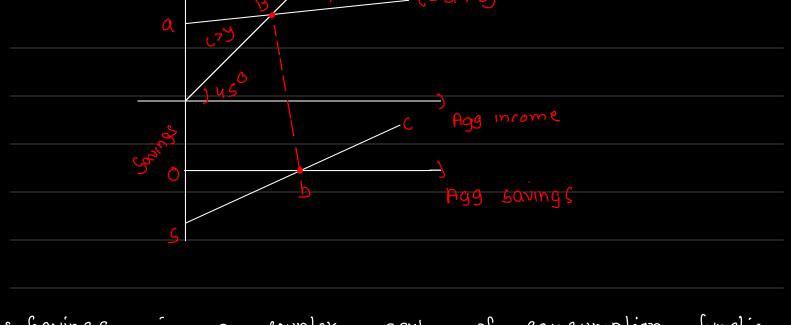
	19,800
(+) WFI	_1,00 <i>0</i>
	20,800
J GDP mp	6000
(R-P)	(79)
(-) Dep.	(400)
(-) IT	(700)
	4425
(-) Retained earnings	(600)
(+) Transfer Payment	1300
PI	5125
(-) Personal IT	(1500)
PDI	<u>362S</u>
n) a) NDI	
	Operating Gurplus + Compensation
= 28000 + 10000 = 62000	

(d I (h) NDI + Depri. 62000 + 1700 63700 c) NNI NDI + NFI 62000 + NFIA 62000 1) (300) 61700 NNPFC - GIFOO 9,000 1,800 68,900 NNP MP 9000 PI = NOPPC + NFIA 200 NIVP FC 8200 (1000) - Undistributed Profit 7200

(600) - Corporate fax 6700 300 T 7000 - 500 Tax 6500 PT. 16) NOPmi GDPMP = 1100 NFIA (+) 100 1200 NNP wp = NNPFC - Net IDT = 850 + 150 = 1000 CHNP - NNP = 1200 - 1000 = 200 (H-6 Keynesian theory of determination of NI Consumption







- Savings is a counter part of consumption function income left after consumption is savings that is S = Y C.
- each lul of disposable income.
- In the above diagram the gap blw income & consumption measure savings. This gap after point b goes on increasing with rising income. This indicates that savings rises with vising income. S conve represent saving function.
 - * Average Propensity to consume [APC]

APC = Consumption

 \mathcal{L}

Income

* Marginal Propensity to consume [MPC]

* Average Propensity to Save [APS]

* Marginal Propensity to Save [MPS]

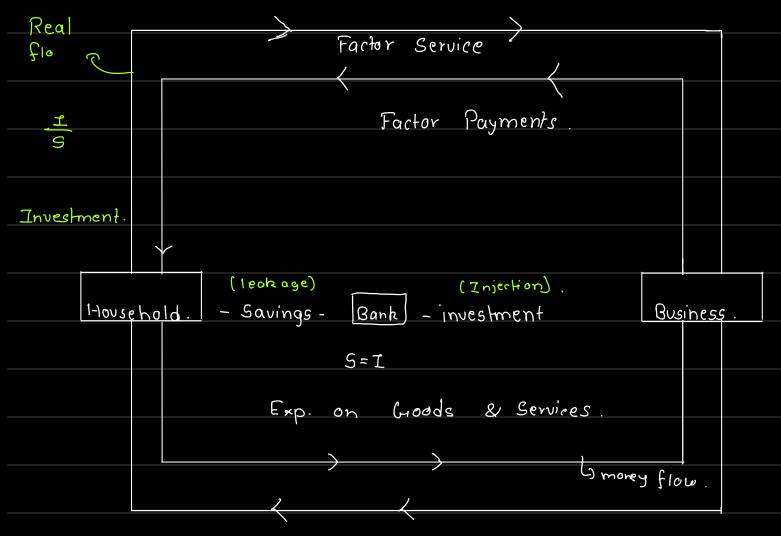
mPS = 1 - mPC

02

*	Points	, 	remembe	8°r ,					
	of fr	ne	having country	for	Year	QY	more	hrrespe	eclive
			capita =	Nationa		ne_			
	It	measi	res cour	ntries e	conomic	out	put pe	r per <u>c</u>	øh
_ 3)_			come i						
	marke	F	Services Fransacti e called	an or	does	h	ot he	ive a	mark
5)	GDP	15	inclusive	of	capital	(ons	umplion	or c	k pricial
e)_	Contrib	ulion	of L	abour 8	Capital	to	produ	c h'on	process

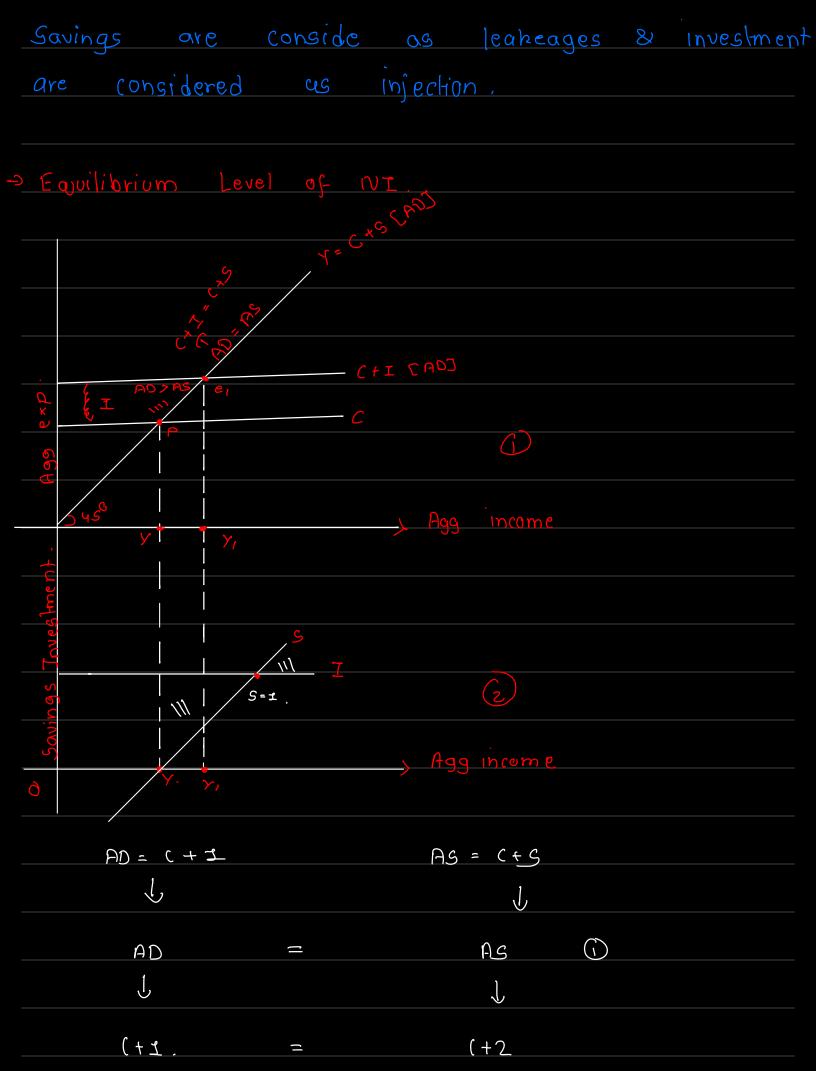


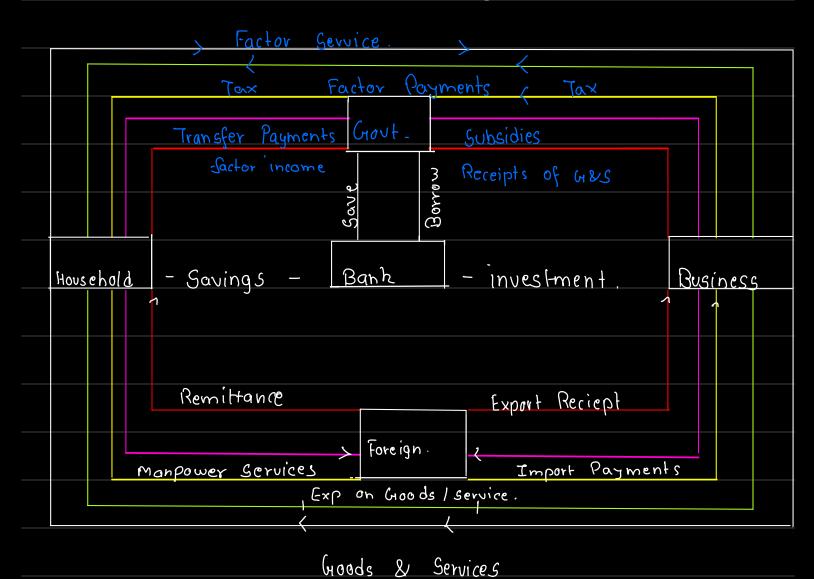


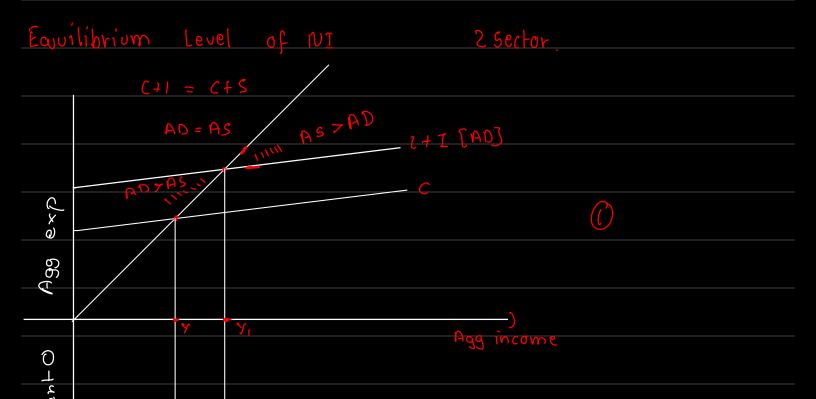


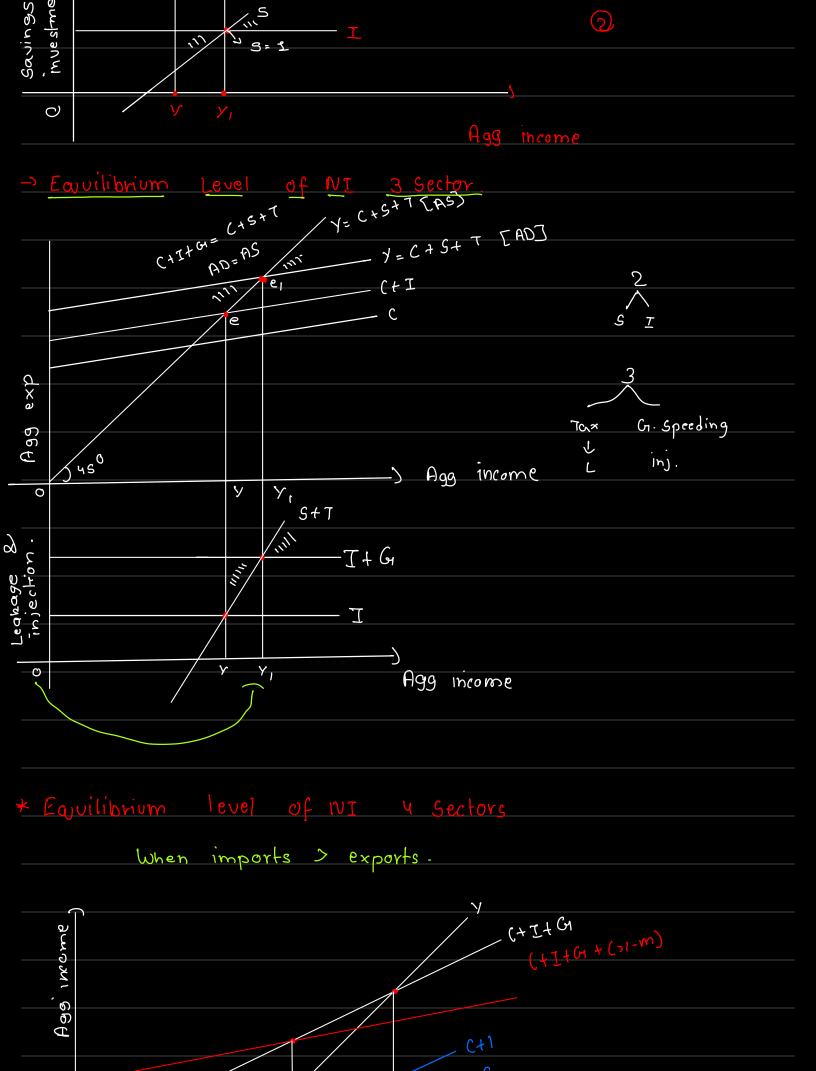
Goods / Gervice.

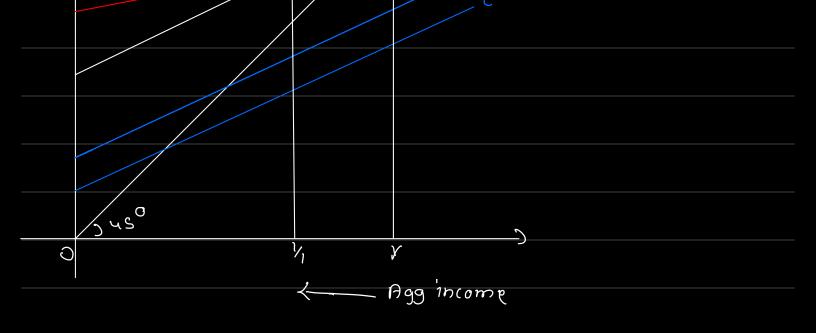
The outer circle of the diagram shows real flow that is flow of factor services from household to business & flow of goods from business to household The inner circle Shows money flow that is flow of factor payment from business to household & consumption expenditure from household to business.











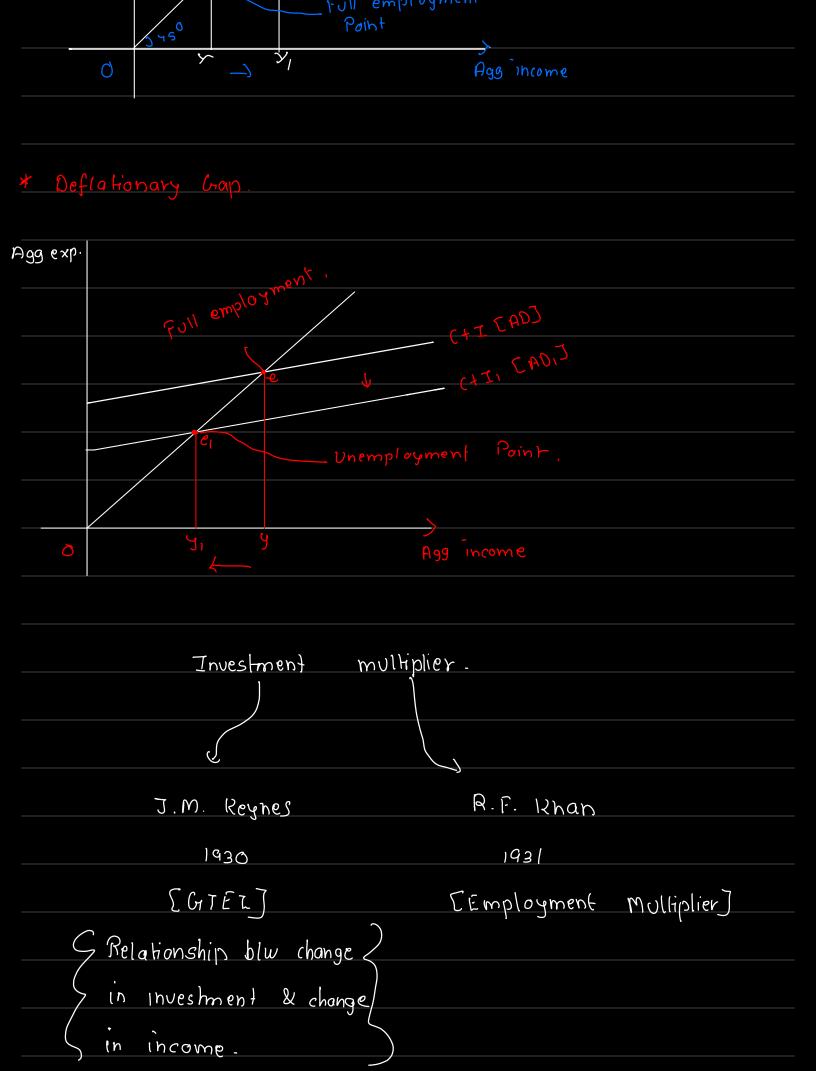
• An increase in demand for exports of a country is an increase in aggregate demand for domestically produced whereas imports per unit of income when increases constitute & additional leakage form, the circular flow of income in summary an increase in demand for countries exports has an exponsionary effect an equilibrity income whereas an autonomus increase in imports has a contractionary effect on equilibrium income.

Toflationary Gap.

Ivi above full employment

C+II EAD]

C+II EAD]



-) Definal	ion,						
· Defined	as a	Rahio	of fi	hal ch	ange	.n incom	ne
Intial							
< <u>-</u>	ŊΥ	OR)< =	Ţ	00	< 1< =	
	IU			1-mPC			MD
* Assum	noilge						
· MPC	•						
- Closed							
· One m						S 1960	ome
* Worki	ng 0	f Multi	olier.				
	j	1					
Suppose	gavt	Spends	3 100	cr or	Fac	tory ex	pens
	· ·	J		01			
		ne of		erc	100 cx	S	= I
)				

to

100 x 75 = 75 cr -> [Goods | Service]

100

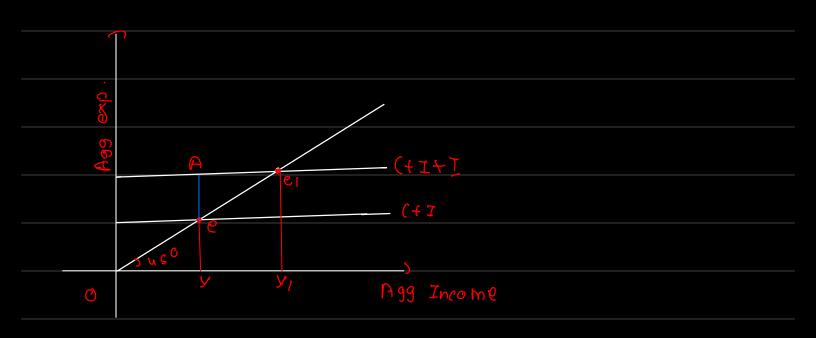
Income of Producer 75 cr.

75 ×	75	11	56.25	Cr.
	100			

Stages	ΩŢ	DY	ДC	A.5	
	100	100	75	25	
2		75	56.25	18.75	
3		56.25	42.18	14.06	
4		42.18	31.64	10.55	
Total	100	400	3 <i>0</i> 0	100	

$$1 = \frac{DY}{DT} \qquad 1 = \frac{1}{MPS} \qquad R = \frac{1}{25\%}$$

= 4 times



Numerical Sums Unit - 2

1 National Income Y. - 2500 Autonomus (ons. a - 300 Investment I - 100 Calculate MPC & MPS Y= C+ I 2500 - (+ [00 2500 - 100 = C (= 2400 C = Cetby 2400 = 300 f b 2500 2400 - 300 - b. 2500 2100 = b.2500 b = 21002500 mpc / b = 0.84 2) Autonomus Consumption a = 100 MPS b = 0.2

Investment I = 200

Y = C + I	MPS = 1-MPC
Y = 100 + 0.8 y + 200	0.2 = 1- MPC
y = 300 + 0.84	0.2-1=MPC
	0.8 = MPC
$y = \frac{300}{0.2} = 1500$	

$$y = C + T$$
 $y = 20 + 0.6y + 10 + 0.2y$
 $y = 30 + 0.8y$
 $y = 30$
 $y = 30$
 $y = 30$

0.2

consumption.

$$y = \frac{60}{0.2}$$

$$\forall_1 = C_1 + I_1$$

Dy = 1500 Cr

Calculate MPC

$$\frac{1}{MPS} = \frac{1}{4} = 0.25$$

$$MPS = 1 - 0.25$$
 $MPS = 0.75$

* Points to remember.

- · Economy attend equilibrium level of output below the full employment IVI. of output.
- . The value of increment to consumer expendi-- ture per unit to income is called as "MPC"
- · More powerful the leakage smaller the value of multiplier.

45 %	Degree	line	indi	cates	equil	brium	o lul	. of
in come	whi	ch	may	not	be	at	full	employ
-ment	lul of	inco	ome.					
		<u> </u>		.				
		•	<u>X</u> .	λ				
		<u>X</u>	X	λ				

Chapter! Mational muone. National omcome MRAS Earned income unearnedincome National gruome is a money value of all (final) goods & services produced in omestic economy during a francial Net faitoir income from absord

1	PAGE No.	2	
1	DATE	11	7

	OATE //
	0394
	Perecausions in Calculating National meome:
*	All larned income Should be added in National mome.
	entered minimum valens
	All unearned income like Gift Greant Charity, donation, pension etc to be ignored from NI calculation Since they are Trianger Payments.
*	Anything peroduced for Self consumption will be added in NII:
*	Any kind of Financial investments where investment is done on Shaues, Bonds, FD'S etc not
un	be added in NI. 21 months of the
	But income eauned over it eg: Dividend/interest will be added]
X	Any kind of Sewand hand personer or transaction
	Where Goods are produced in precious
	year not to be added in current year
	National mesme.
*	ancome launed by foreign companies in
	Omdia.
	(i) lame of Goods Produced veil be added ii) Perofits veil be excluded.
	ii) Peroxits will be eachded.

MOE NO.	3	/
DATE	11	1

	DATE / /
	(Sudden)
-X	Any Kind of windfall gain or losses not to
	be added in NT.
	(11-x)+0+2+0 = 2000 (1
*	Any kind of illegal income like money earned via Smuggling Black marketing, Hawala money etc. Not to be added in National Phome.
	Money etc. Next to be added in National
	mioneg etc. Not to be accept as parties
	TIMOTIU
*	Rent, Islages, interest, neight, Dividend, Mixed
	income will be added in Mational Amcome.
V	
*	Value of only final product to be taken
	Rano material intermediate goods, WIP, Semi finished goods to be excluded.
	9-19-19-19-19-19-19-19-19-19-19-19-19-19
*	All exports & Receipts are added.
.0-	
	all amports & Payments are deducted.
V	Donneration to be deducted leave sit and
-X	Depueciation to be deducted from NI and also andivert taxes are deducted.
	and the same of th
	(* modirect taxes are unearned income)
-11	
*	Change in Stock, Business Stock, gonventory investment
	to be added in NI.
	(4) NIPPMP (ADPMP OCP.
	ATTEMP - MINEROR - METER.
	C1 2 1 2011 194 (5)

PAGE No.	4	
DATE	11	7

Concepts of National micome:

- 1) GDPmp = C+I+G+(x-m)
- GDP FC = C+I+G+ (X-m)-IT+85
- 2) GNPmp = (+I+G+(X-M)+(R-P).
- GNPFC = C+I+G+(x-m)+(R-P)-IT+S
 - 3) NDPmp = C+I+G +(x-m) D
 - NDPFC = (+I+G+(X-m)-IT+5-D
 - 4) NNPmp = (+I+G+(X-m)+(R-P)-D
 - NNPFC) = C+I+G+(X-M)+(R-P)-IT+S-D.

National income

- (X) GNPMP = GDPMP +NFIA.
- (X) GOPMP = GNPMP NFIA
- (*) National = Domestic + NFIA.
- (X) NPPmp = GPPmp Depr.
- (X) NDPmp = NNPmp NFIA.
- (x) Goros = Net + Depn.

	PAGE NO. 5 DATE / /
1	Language description
(4)	Net Figurs - Dep.
-	Harris otherways T
(4)	NNPMP = GNPMP - Dep?
	Annalain is the second of the
(*)	NNPmp = GDPmp + NFIA - Dep?
0	
(*)	Market Ruice = Factor Cost + IT-S
~	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
(X)	Factor cost = market Brice - IT+S.
	such straight (11)
	GDPFC = Compensation of employees (Cashatind)
tudio.	Continue interpretation
1.100	Operating Surplus [Rent interest, peroxit]
	mixed vivome 1014
	and the board of Villa
y (2003)	Depereciation. Nous will add only when you go from NI to GDP FC.]
	ap from NI to GDP FC.
	NDPFC = Compensation of employees
	ADIFC CONGRESS
	Operatoring Surplus [R+I+P]
	+11010
	mixed meome
213	is the till towns account

					E	PAGE No. 6		
		Personal anu		Retaine	od O	eaury 000 w	igs	
		Kersonal and	one.		Delivery of the St.		THE RESERVE OF THE PARTY OF THE	
		_	(Y	= corporat)	50000	(-)2)	_
		-		Divid				
		National income	17- AT				(%)	
		Rent 2 121	less:	(i) thaist	euit	outed	(%-)	
		+		corporal	te	tax		
		Mages	M.S	tool control	100	i sono	(*)	
		+		(ii) corpora	te	tax		
10	#	Peropit	10 46	(company)		3990 E		
		+ "		iii) Social	Sec	benefits	ntoubuti	ò
10	1/1	pi ordend .	Dus	(Emploi	Jee 110+	to be rulei	which are	2
		+						
		NFIA	Add:	Teansfer				
		+		Cuntoun	ed a	riumo ec	downy)_
11	1.9	nixed Income.	511711	. weithing	93			
-	1 0	coat the man	on J					
-			0					
	F	ausonal ==	Not	tonal uncor	ne	33901A		
		mione		4			*	
			nlom	2 secoio	20	but no	st	
	X	4		ened				
1	Me	Solule)		-) we have	33			
1		On		earned be		not e	uceive	d
1			WI. U					

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_	· ·
	Perivate grome.
	Private income is a measure of the income both factor income & tevansfer income unich accounts to Perivate Sector from all Sources weithin & outside the country.
	Private unione
	Perivate unionne = Net factor income from abroad (NFIA)
	Factor income from Met domestic Broduct
	National debt interest (Crout Bond per interest)
	current transfers from the Gout- (Subsidies givento, corporates)
N	Other Net teansfers from eiert of the Morld.
	Personal disposable inten income (PDI)
	PPI = Personal mome
	Personal income tax.
	Per Capita uncôme (PCI)
	PCI = National ancome
	Total Popoulation.

	Nominal GDP	Real GDP.
	Perice De la Company	
200	in comment & emain a	uncome horte dans
man	Currient Perice	
	Jour abilituo Provision	(2011-12)
	(False info)	(Teme info.)
		i smaint a theirist
Eg:	Pen Output = 1 lackn.	
9	Perice = 21-	and control told
	value = 2 lacks.	1
*	Case Irman tola mal	Case 2
		4.
(6/0)	Output = 1 laikn	Dutput = 2 lach
		4-
0,60	Perice = 4/	Pouce = 21-
3		+
100	laure = 4 larks	Value = 4 lackn.
1	Tan and in marine	anamalika Tenangani
	NGDP	RGOP.
	andam to	199 - 199 -

nosal nelan

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		>	Perice	andex
GDP	Deflata		0	336 5

- (x) at is a measure of General perice i.e inflation
- 2 at takes into Consideration both Nominal GDP

 Real GDP
- take inflation out of GDP.
 - (4) 9t is a Perice index used to convert Nominal
 GDP into Real GDP
 - that has occured between base year &

GDP deflator = Nominal GDP X100

Real GDP

2m 1 Question

Eg: 1 Real GDP = 4700 Rs.

Nominal GDP = 3000 Rs

(alculate GDP deplator

GDP deflator = Nominal GDP X100

Real GDP

= 3000 ×100 4700 = 63.82

	PAGE NO. 10 DATE //
	and the state of t
Eg: 2	
J	Perice ander = 110.
alien	Real GDP = 9
907	Perice ander = Nominal CADE ×100
	Real GPP
O.F.	1200 1 × 100 1 × 100 1 × 100
	Real GPP and Some
Injurial	- Real GDP = 1090.90
	939 Into and 999
Gain	
Eg:3	Real GDP = 450
	COP deflator = 120
	Momenial GDP = 9.
	Gen Division of the second of
	GOP deflator = Nominal GOP X100
	Red GDP
	120, = Nominal two XIDD
	LIED HOD NO
	Mary was a second
	1. Nominal GDP = 540
	ACTURE TO THE PARTY OF THE PART

7! X

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	Calculate Trylation Rate in the current years (1)							
	Inflation Rate = GDP deflator - GDP deflator in current year current year Bierrouggear X100							
113	COP deflator Puevious year.							
511104	year GDP Calculate GDP déflator for 2020.9							
	2018	100	120.25	- 113.63	×100			
	2019	113.63		63.				
	2020	130.25	C SKIN A					
			111 62%	900 10 6	(4)			
The second second	A CONTRACTOR OF THE PARTY OF TH	at some page		and and				
rend .	1100 Pain	19- 2010->		100 ×100)			
	anglatus	n for 2019->	100					
	, 44	int a least		1 1-218				
, ,	watat tr	maithly paint	= 13.63%					
()		intel houseoff tude		plea	seshow			
(3m)	The state of the s	to GDP autation			1 Culation 9			
	Calculas	TO COLD AUTOMATIC	STO.	Billion (2				
155	0.2000	Nominal GDP	Real GPP:	GDP deflate	27			
	Year	MONITION OF PE	News 9 10.	Calculation 200 x 100	y			
	2014	500	500	500 X 100	100			
	2015	800	650	800 × 100	123.08			
	2016	11501110	800 . 4000	1150 × 100	143.75			
	2017	1300	950	1300 ×100	136.84			
	2018	1550 1414	1190	(550 × 100	130.25			
	2019,	1200	1240	17.00 × 100	137.109			
D. C. S. A.		* 1 1 2						

	PAGE No. 12 DATE //			
1) home	Interpretation:			
(X)	Feron the above table use will take 2014			
O BY	as a base year mehere deflation is 100			
(1)				
(X)	The state of the s			
	than 100			
*	C-00			
	GDP deflator above 100 indicates prices have			
	Lusen.			
*	QI CAD MILLION IN 100 III			
	26 GDP deflator is greater than 100 then Nominal GDP is > than Real GDP.			
	Rominal GDP is > than Real GDP.			
*	OI CAND HOLLOTTI			
•	of GDP deflator next year is less than			
00	the GOP deplator current year then Poules have			
	fallen.			
	Methods for Calculating National income:			
	There is a second order			
1.1	Peroduct method/ Output method/mientory method/			
ensons sel	Value added apperpart / Final groods Method. Latest name given to this method. [Final Output] "andustry origin Method"			
601	latest name guen tothis method.			
300)	(Final Output) andustry origin Method"			
var				
011	GDP mp.			
3.034	GVA /			
e st.	irroisilaine Aelalad. GNPmp			
	+S (-) Depn +TS NNP MP.			
	+TS NNPMP.			
	GDPMP (-) IT +S			
	+NFIA NNPFC -> (National muone)			

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	OATE / /
Carl	Bread
<u>Cg</u>	Stages bure of Output amput Value Added
0	Jorner 700 700
	Hour mill 1000 700
	Bakery 1300 1000 300
The last	The fine production of the first of the form
	Potivion 1400
	-> (7) > 1400 GDP Mein aayegd
	Peroduct Method:
	CALANT GOPPING THE TOTAL STREET
1,	AVA = ADP
12.	NVA - 1001 1
(1.)	GVAMP = Value of output - Value of Intermediate
	Consumption.
(2.)	GNA mp = Sales + Change in - Intermediate
hov	GNA mp = Sales + Change in - Intermediate (cl. stock = Expstock) (cl. stock = Expstock)
(3.)	GNAMP - Dep ⁿ = NNAMP.
()	PALLAN TT LC = NVA FO
(4.)	NUAMP- IT +S = NVAFC
(E)	NNA FC + NFIA = National Omcome.
0.)	NIVA FE TIVI I'M DINIUM

-

PAGE Na	14.	
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2.) ancome method factor cost method: [used in developed countries]

NII > Calculated -> from Distribution side NI = Rent + Mages + Salary + commission + Dividend + Interest + Mixed Impome + NFIA. Brokerage ++

(Only Earned amcome.)

(3.) Expenditure method | Dutlay method:

National Expenditure = National mume

NE = consumption + anuestment + Grout + Cx-m Expenditure Expenditure Expenditure

Hint:

(1.) Loi bhi type ka expenditure must be added.

e) koi shi type li inicoment must be added Except: "Financial meestment" uchich is not considered - 199

Egist-Crout construition Fapenduline -> Added.

Eg: St. Grout gruentory muertment - Added

	Pg 435
	PAGE No. 15. DATE //
Q:1)	Consumption 750 + Oncestment 250 + Grout Runner
(3)	+ (TOUT Purpase 100 + (X-M) (100-200) (100) National Income (NI 1000)
8:2)	Personal consumption Some dillera
0	Add: State Government Expenditure 2000 Add: Central Government Expenditure 500 Add: Change in Ameentory
	Add: Change in amuentary 100 Add: Greens private domestic fixed univertment 1200 Add: (x-m) (900-1200) (300)
O.	C+DPmp 10,000
	GDPMP 10000
	less: Andiriect taxes - Subsidiaries (150) Less: Net factor payment toabroad 100
2) 12/2/2	Less: Depreciation (200). NI 9750
01	GDPMP = 210,000
23-6	NI Z9750
377	animal transport to experience transportation of

F

THE STREET				
P	//		3807	7
			PAGE No.	6.
H			DATE /	1
÷	Q:	3)	micentary miestment.	100.
		17	Add: (x-m) (200-100)	100
			Add: Personal Consumption Expenditure	3500
1			Add: Cituous Rexidential construction investment	300
))	Add: Stock Grovet. purchased.	1000
			Add: Gross public investment	200
	10088		Add: Geness burness Holed uncertment	300
	(0000)		CTOPMP.	500
	OH		the formation of the second the second to the	1
	1 30		(4DDWD	00
No. of Concession,	Outi	1	less: andirect taxes.	
NAME OF TAXABLE PARTY.	(000)			50)
	(00)(0)	1	es nonveriation	50)
			NI	300
	Con		0,42.18)	
	MOA		GDPMP = \$ 5500	
	(N)		NI = 7 5300	1
	HIM	19	1442. (Zina	
The same of	Q'19	1	Item	Amt (3)
The same of		(teiors aniestment	90
		STREET, SQUARE,	+(x-m)	10
		1-	Pluivate consumption Expenditure.	350
		1+	- Government purinases of goods & Services.	100.
			Government purinases of goods & Services. GDPmP.	550
			GDPMP	550
		=	modifient taxes - Subsidiantes (Net)	(5)
			GPPFC	545
			GDPMP = = = = = = = = = = = = = = = = = =	
			GDPFC = 2545 verores	

HW. 19 \$ 442. Fin wores) Q:20 Geross Domestic fixed ancestment 10000 5000 +muentory muestment (2000) Deperciation (1000) - andirect Taxes. 2000 + Subsidielin som of ministration + consumption Expenditure 20,000 NDPFC 34000 NDPFC = 234000 cuores 8:51 Value of Output in Rumany Sector 500 Nalue of output in Secondary Sector 900 Malue of output in Tertiary Sector 700 2100 Intermediate consumption in primary sector 250 300 anternediate consumption in Secondary Sector Intermediate consumption in tertiary sector 300 lalue of meternediate consumption (B) 850 GNAMP = Value of output - Value of intermediate consumption. GVAMP. = 1250 GUAMP = GDPMP = 1250. GNPmp = GDPmp + NFJA = 1250 + (20) GNPmp = 1230

B'6) PAGE Na DATE	18
Lian Expenditure	290
Peineate final consumption Expenditure	50
+ Geor Domentic fixed Capital formation	105
+ Net Exports.	(-5)
+ Net addition to Stock	15
GDP MP.	455
(1) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	
GDPMP	455
+ Subsidies	20
1 - mainent Taxes	(70)
Capped a mario	405
COOP : Material to Secondarian Street Street	1 11-
GDPFC THEOLOGY THE TOTAL T	405
Depereciation/consumption of fixed capital.	(45)
+ NFIA	
OF THE MENT OF MENT STEPHENS -	355
ancompanie (Companie vi Prophis Sun	1
GDPMP = 455; GDPFC = 405; NI = 355	
CORNELLED STREET	11
Q:4) GDPMP	6000
+(R-P)(150-225)	(निन)
(-) Depercuation	(800)
(-) andviert Taxes.	(700)
National amome	4425
0321 = 2.016 3 304	
	4425
National Amome	1
(-) Retained Evenings (Corporate main Divided) (1200-600)	(600)
(Corporate perofit - Dividend) (1200-600)	1300
H Teansfer payment	5725
insona "Mom	(1500)
- ressonal miome las	3625
Personal Disposible Ancome	2020

	NI = 4425 PDI = 36215	
	PDI = 36215 FAGE NO. 109	7
	DATE / /	
0:2)	Sales	1000
8.41	+ Change in Stock (100 - 200)	(100)
- VA 11	(-) antermediate consumption.	(300)
193	(-) Depreciation	(150)
COL	NDPmP MONTH IN THE	450.
0.10	topos bendictions to	
EAST	NDPMP = 450	
(30.94)	+NFIA 100 = 100	
0005	(50) = (50)	
	+ Subsidies. = 10	
	NNPFC 420	
1	00001 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
8:10/		8000
-	7 14 - 21	200.
The subject	NNPFC	8200
	(-) undisbursed Perofit	(1000)
0,14,00	() corporate tax	(500)
	+ Tevansjer Boyment	300
ON!	Personal mome	7000
100	(001) (001) commence requestion	
1000	Personal mome	7000
	(-) Personal Tasc	(500)
2717	Personal Disposable mome	6,500
	Personal = 70	000
	Personal Disposable mome = . 651	0

			PAGE No. 2	0.
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8:19	b) Mages.	SA TO TAKE		00000
(03)	+ Rent	of Marchael	i spanis	5000
1300	+ anterest	1 grant the	187 (C) (C)	400
	+ Dividend	acation	sind c.	3,000
	+ mixed amone	90190112		400
1	+ Undistributed Perofit + Social Security Contrib			200
	+ Social Security Contrib	utias.	1009011	400
	+ Corporate Perogit To	ax	WISTA +	400
	NDPmp.	150° to	Chilly 1.	19800
1		with	-100000	
1	NDPMP	0391414)
C Y AC	+ NFIA		= 1000	
	ENII ment to toub?	10° 5'+1307	£ 20,800) violes
8:81	Paralla	I~		10
(con	Particuars	maustry	maustry	maustry
1000	Sales.	400+200	5007800	600+500
308	alls.	+1000	7 00 1000	000 11,50
(to)	3000 601	= 1600	=1300	=1100
	- mtermediate Consumption	(100)	(400)	200+500
CKYS	The contract of the contract o	1000		=(100)
(ons)		DOUT - LONG	0165 64	
0047	GNAMP.	1500	900	400
	DOF TO SE	mark to a		
	GDPmp	100 15 21	2800	
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	GOPMP - GN Since NFIA is not qui	Pmp.		
				T
	Since NFIA is not qui	en .		
	Since NFIA is not gui	en j.		

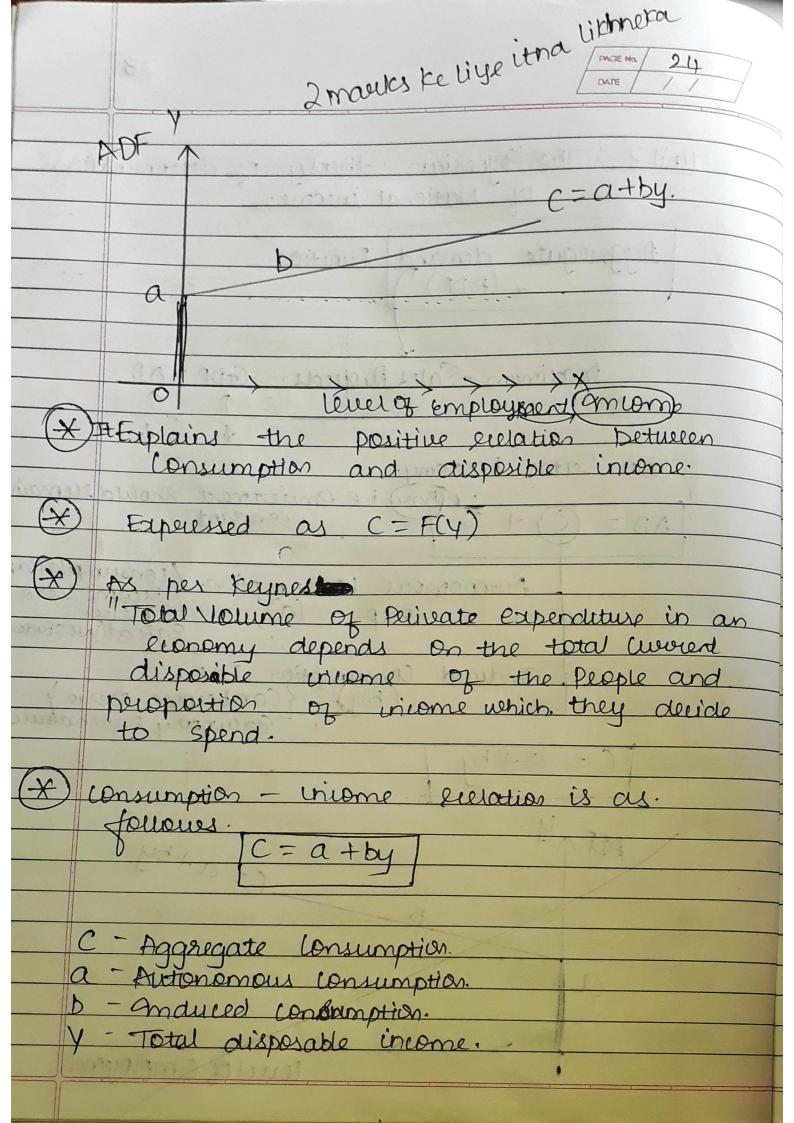
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	OATE / / /
(a)	GNPmp = 2800
	(-) IT = (100)
(3)	+ S = = = = = = = = = = = = = = = = = =
(h)	CANPEC 2750
- Tong	Good
	F) Depr = (100)
(C)	National amome NNAFEC) = 2650
(1)	+IT = 100 $-Similar = (50) Avairable$
•	Signal the same E Course
d	NNPMP. 2700'
Q:17)	(a) Net Domestic Omeome: (NDPmp)
100	
00	mided amiome
	+ compensation of employees.
750	+ compensation of employers. = 240000 NPPMP. 62000
-404	(b) Geros Domestic Omnome: (GDPmp)
	C > 0000
	(+) NOPMP 62000
	1 Denredonium.
	COPPMP- 63700
	(c) Net National ancome. (NNPMP.)
	morning water &

		PAGE N	1/
	NPt National anione	NNPFC)	CAS -
	(001)		200
	Met domestic income	100	62000
	+NFIA		(300)
	1147 214	9,19	
	Net National anions	news to distrib	61700
	Oal	337761.	
	Net National Product at	Mouret Priva	
	AND THE COMPANY OF THE PARTY OF	100 gar	
	NNPFC	N. (1) (1) (1)	61,700
		p. 5 2 5 7 5 1 5	(1800)
0	(-) Subsidies NNP(mp)	warning by	68900-
HW.	1127 22	lasti postor	7.7.4
8:13)	Particulars	FirmA	Firm B.
CAN	705	1900 11 117	200
	Sales.	100	
	(softed) smart said	1	240.
	D	(40)	60
2.	Pur chases.	(10)	1
1	Change in Stock (U.Stock -Op. Stock)	(5)	(10)
	(U.Stock -Up.stock)		
		\$55	130-
77 3 1	Value Added. Total Value added =	55 + 130 =	
(-)	Omainent Toxes	(30)	(30)
	THE THE PARTY OF T		4
	GDPFC:	3	155.20

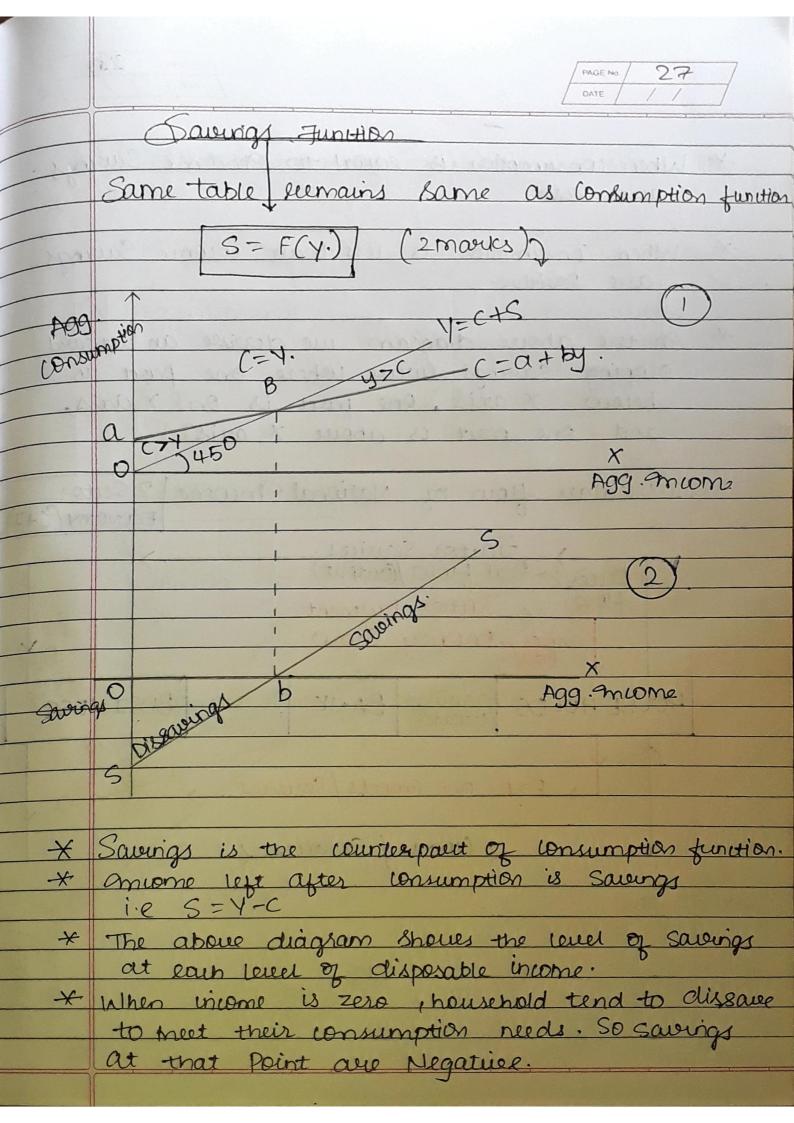
MUNICIPAL SECTION OF THE DIMENTS Unit 2: The Keynesian theory of determination Aggregate demand Function. Maximum Sales Proceeds. GDP = AD TWO Sector Economy. + I Par i.e muestment should temain constant Autonomous lonsumption L'ensumption comma Exp. (a) Lever Egfood (Interstudents) equical Consumption Exp.

(by) {Canbelome zero}

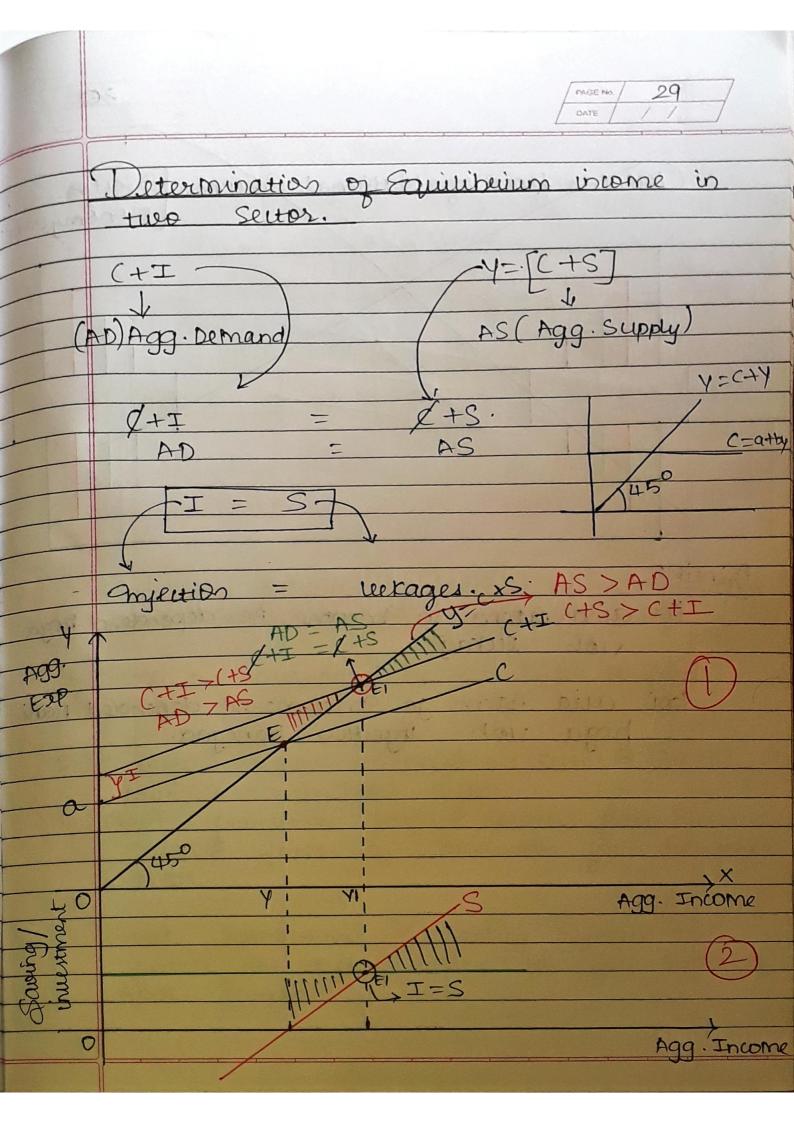
Equipary Expenditures. C = a + byADFAY (=a+by)

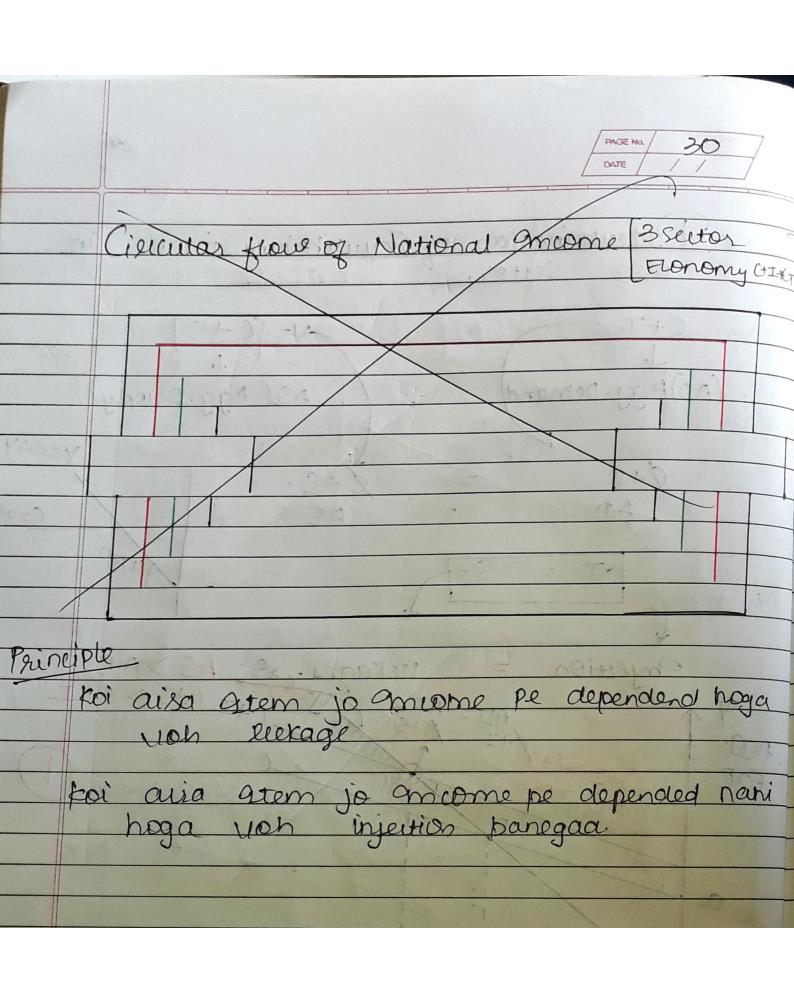


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Q:	9) GDPMP = 1100. NNPFC = 850.
	NETA = (00 100) THATA MENODALA
	Net I Tax = 150.
	Depn = 9. (V)
	GNP = 9 STOOMA STOOMA
	GDP = 1100
	+ NFIA = 100
	1200
Marin Marin	
	NNIPMP = 9.
	NNPFC = 8504 1100 -100 -1504. + I Tax = 150
100	
	MNP MP = 1000
	(1000) (100) (100) (100) (100)
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	Dept = GNPMP - NNPMP
	= 1200 - 1000
	= 200.
. 14	the total transfer of the tent
	107
11	

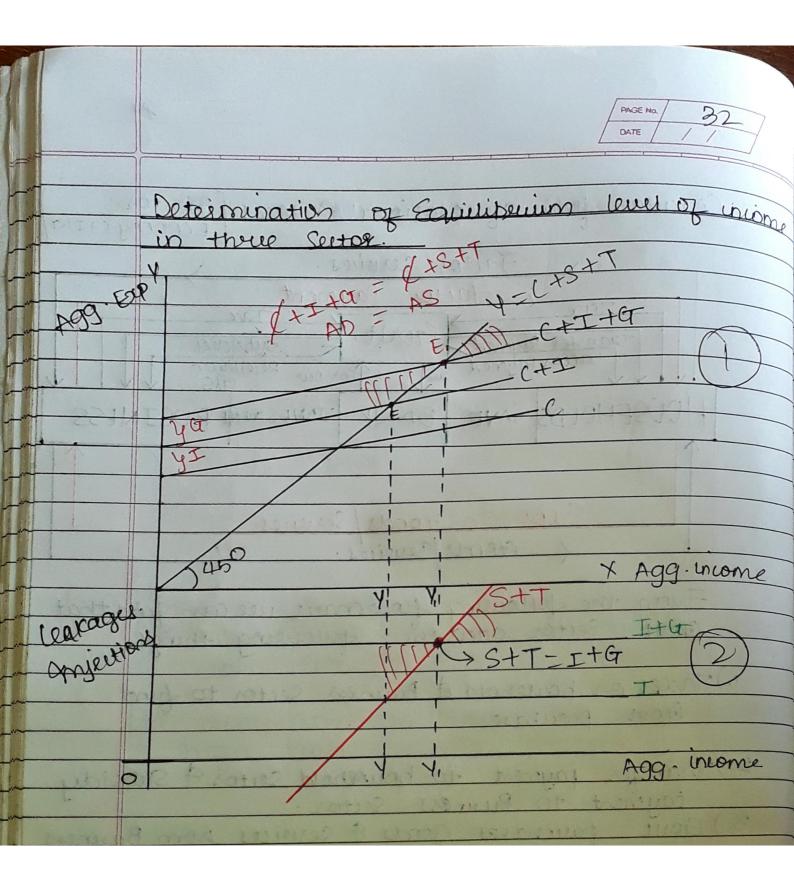


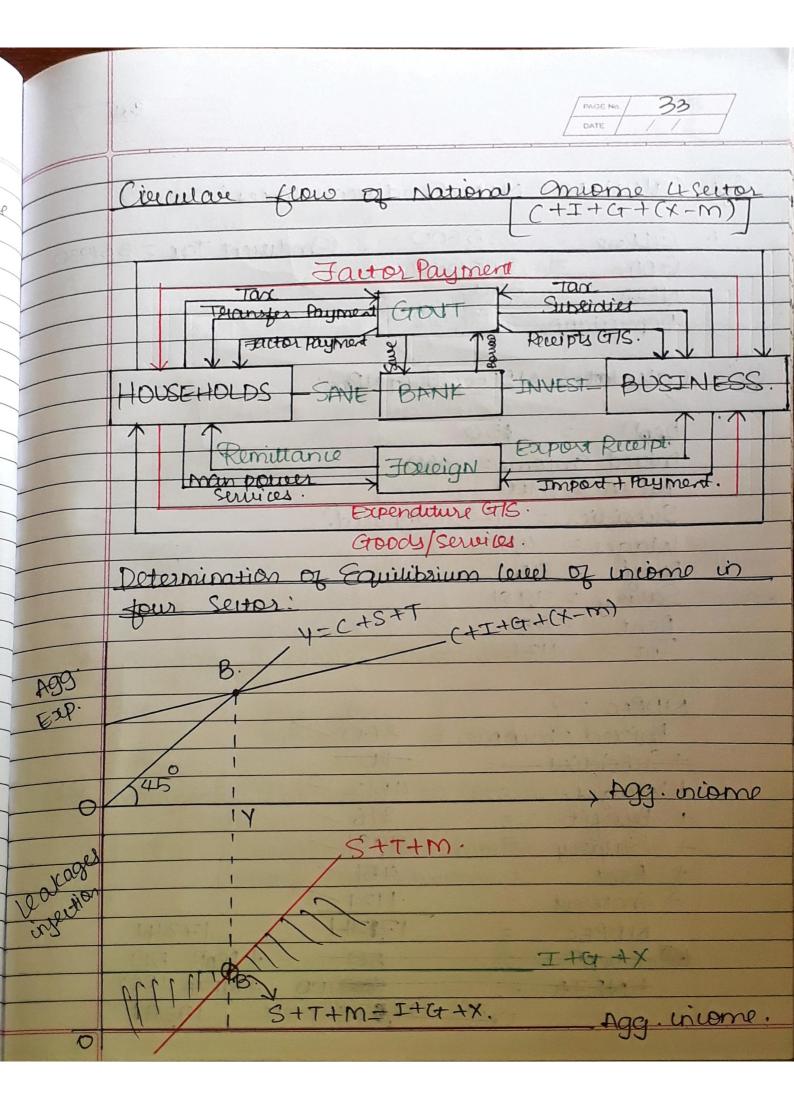
	PINGE Na. 28
	OATE / /
	The state of the s
*	Value of Manager
Mary 1	acre Zerro
	in one Same
*	When consumption is less than income Sawings
1	are Prositive.
*	on the above diagram me devine an upward
	Cloping Salvings avere where one pare
	helow x axis one part is in
	and one part is above x axis.
	Ciona de Mational mome 2 Sector
	Circular flow of National mome 2 Sector Economy (C+I)
	Jator Services:
	Outer > Real from (Output)
	flow, Jactor Payment
	mmer money Flow
11	DUSE HOLDS (cerages) BANK Emiestmente BUSINESS
	1
	Exp. on Goods/Services.
	The state of the s
100	¿ Goods / Services.
1100	water to the contract of the second of the





	PAGE NO. 31 DATE //
	Ciercular from of National mome [3 sector Economy (+ I+9)
	Jactor Services.
	Jactor Payment
	Townster Payment save Borrow Receiptson CIS.
	HOUSEHOLDS SAVE BANK INVESTMENT BUSINESS
	Exp. on Goods/Services
	(GARLE Serveires.
3,740	Jone the tollowing Unio chart use can tring that
-	Feron the following flow chart use can find that Grout Sector adols the following things.
1/15	TITT I TO COLUMN
1.)	Taxes on household & Business Sector to fund Grovt. purchase
	Grovt. purchase
0)	There is bourseld serior & Subsider
	toursest to Business Sector.
3.)	Gout : Duychares goods & Services from Business
	Teransfer payment to household Sector & Subsidy payment to Business Sector. Govit: purchases goods & Services from Business Sector & factor of Peroduction from household
	Sector.
4)	Grovet. Bosonouvergs in Banking System to finance the deficit wenen tax fall short of Gout. Purunase.
	finance the deficit when tax fall short of
	Gout. Purinase.



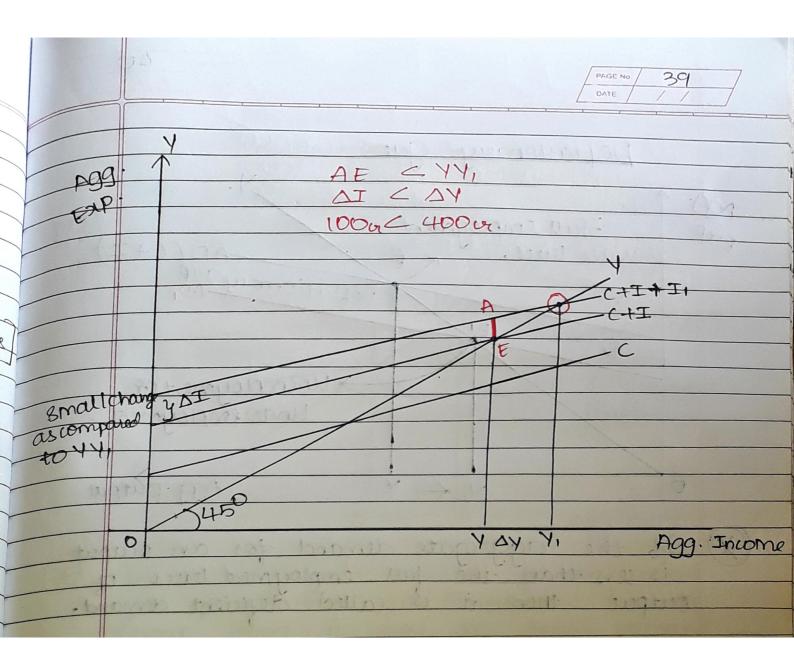


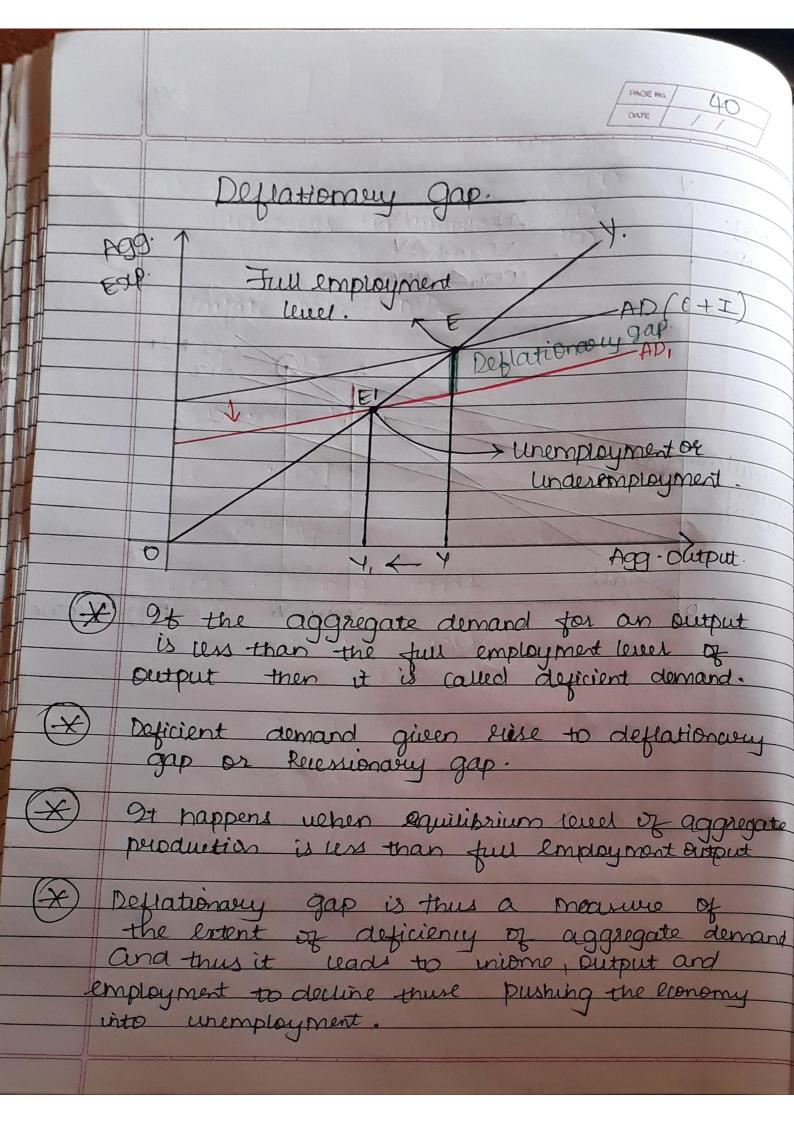
9. Calculate Net Andirect Tosces:
1. GDPmp = 875600 : Andwest Tax = 351930 GDAc = 523670 NFIA = 3500
GDAC = 523670
NFIA = 3500
Depreciation = 120518
0.
S: Calculate NPPFC & GNPFC:
Depn = 150
mixed amome = 360.
NFIA = 100
Subsidies = -120 (Ignored)
Wages = 4512
Perpin = 816 Salary = 9981
Salary = 9981
Rent = 451
Int = 1121
COA COA
NIDPFC =9
mixed mome = 360
+ Subsidies = -20
+ Inlages. 2 4512-
+ revolit = 876
+ Salary = 19981-
1 + Rent 2 451-
+ anterest = 1121
NDPFC = 171241 17241
+ pepn = 50 + pepn 50
+NFIA - DOI - ALFIA 100
(824 17.391 1739)

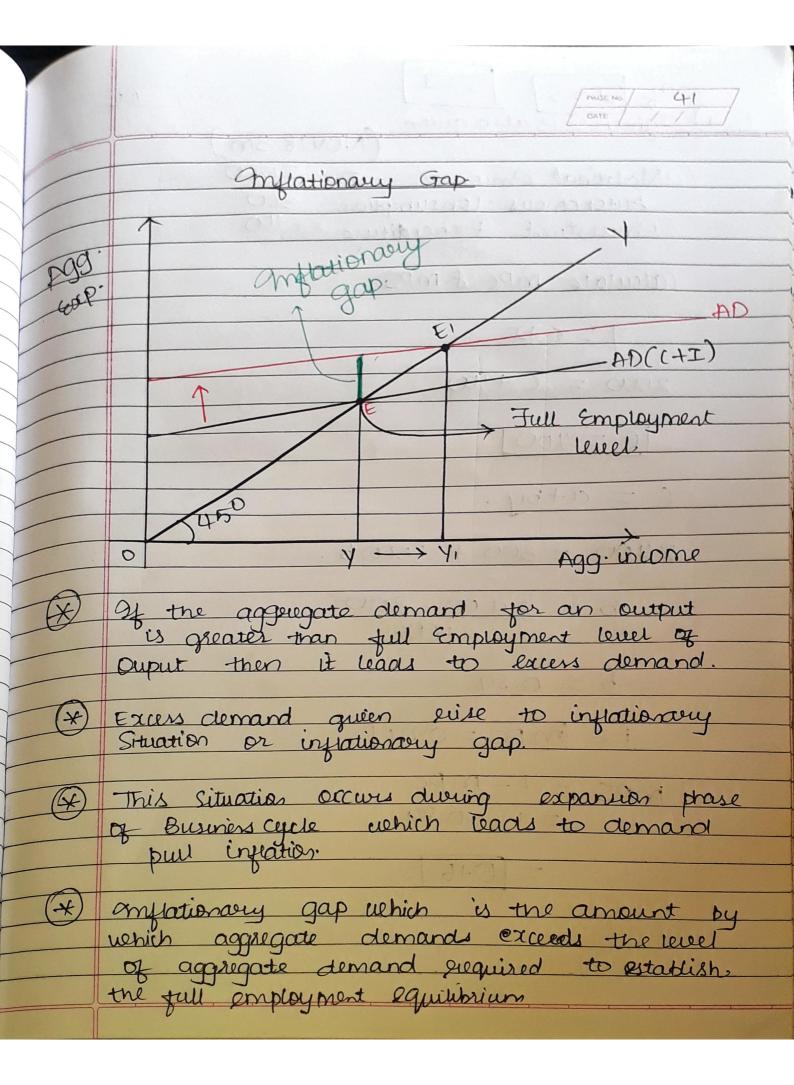
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	Equilibrium renel of National income (4 Sector) (When Amposite 7 Exports)
	(When amposite > Exports)
agg	
CAP	CHARLES TO THE CHILD CAN
0.	
	(+I+G+(x-m)
,	- Va James - Grand
	Up X
0	YILY Agg. Income
	(Carritue)
X	Accesage Puopensity to Consume (APC)
	THE DESIGNATION OF THE PROPERTY OF THE PARTY
(2001 -	APC = Consumption C
	mone 4
	(4000)
(*)	malginal Peropensity to consume (MPC)
	$mpc = change in consumption = [\Delta C]$
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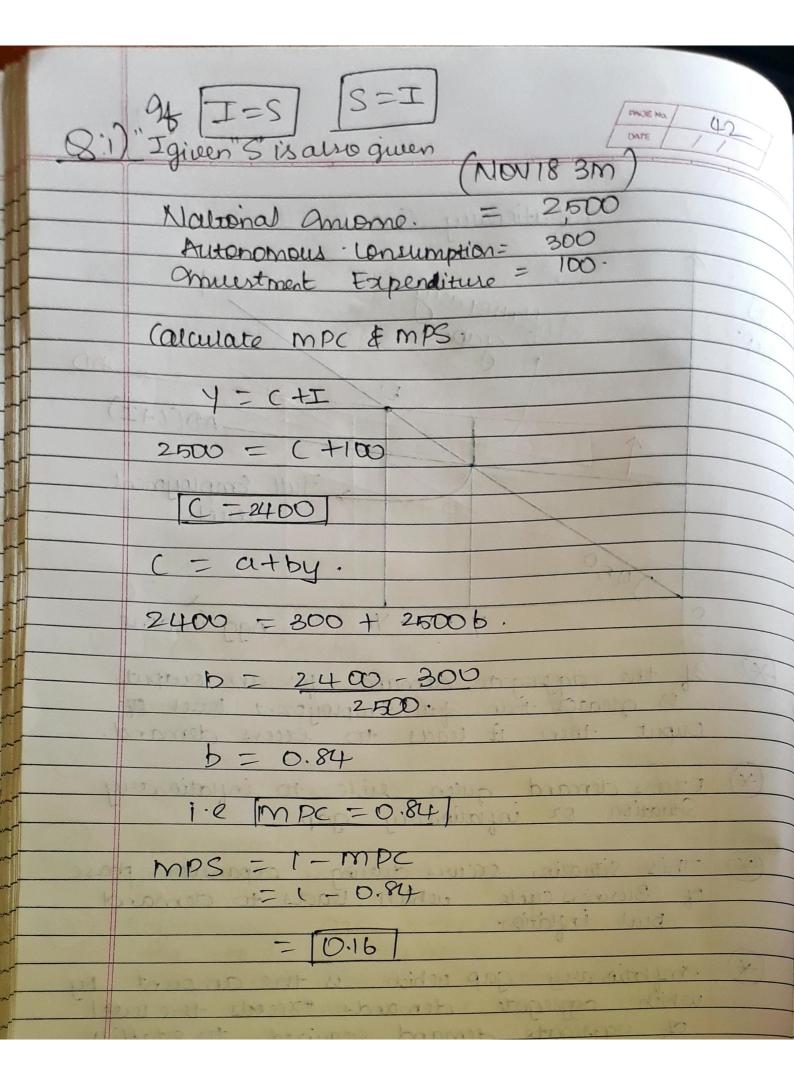
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(*		e Peropensity to Savings = [Sauce	(APS)	
(×)	Marigina	u Puopensity to c	Sauce	(MPS)	
3.		mps =	Change in Saverigs Change in Amiome - Amdicates of = 1 - MPC	-	as J	
7			= 1 - Br formales of	uced is only) miome	nsumptio	mie
		MPC =	I-MPS	Posens		
		(39)	in to country (mana	000000	1 (32)
	Th	come	Consumption	APC	MPC	(1-mpc)
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	111	000	1250	1.25	0.75	0.25
	The second second	000	2000	LA I	0.75	0.25
		000	2750	0.92	0.75	0.25
		000	5000	0.83	0.75	0.25
1	10	000	8000	0.8	0.75	0.25

	PAGE No. 3A DATE / /
	(miome multiplier)
	(muestopent) (multiplies)
	To C Kala
	J.M. Keynes. 1931.
	1936. 4times pools
	1936. 4 times 40000 (GTE IM). A 40000 100000
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	Change in mome
	Definition:
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-	muestment multiplier is à mallo of final
	Change in uncome to initial change in
	(CHÓO)
	K = AY (OR) K = 1 (OR) K = 1
4	times DI 1-MPC MPS.
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	Assumptions
X	MPC is tept constant
*	crosed economy
*	one mans exp. is another man's mome

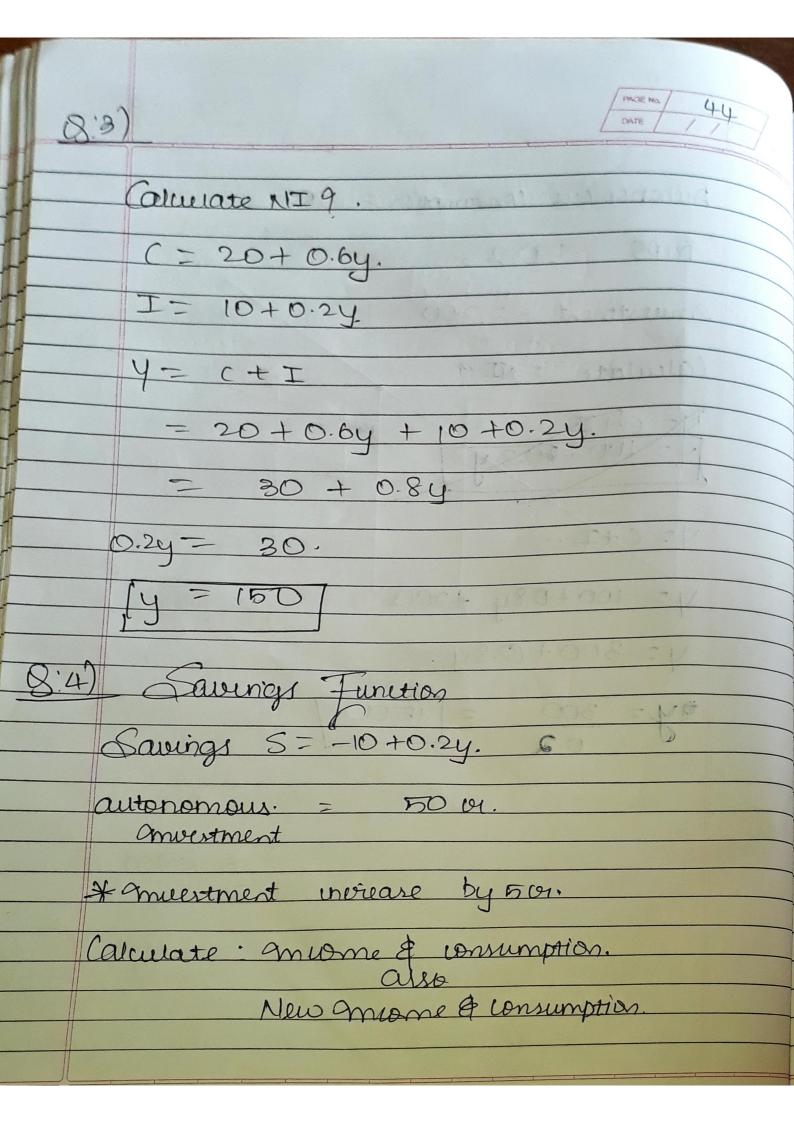


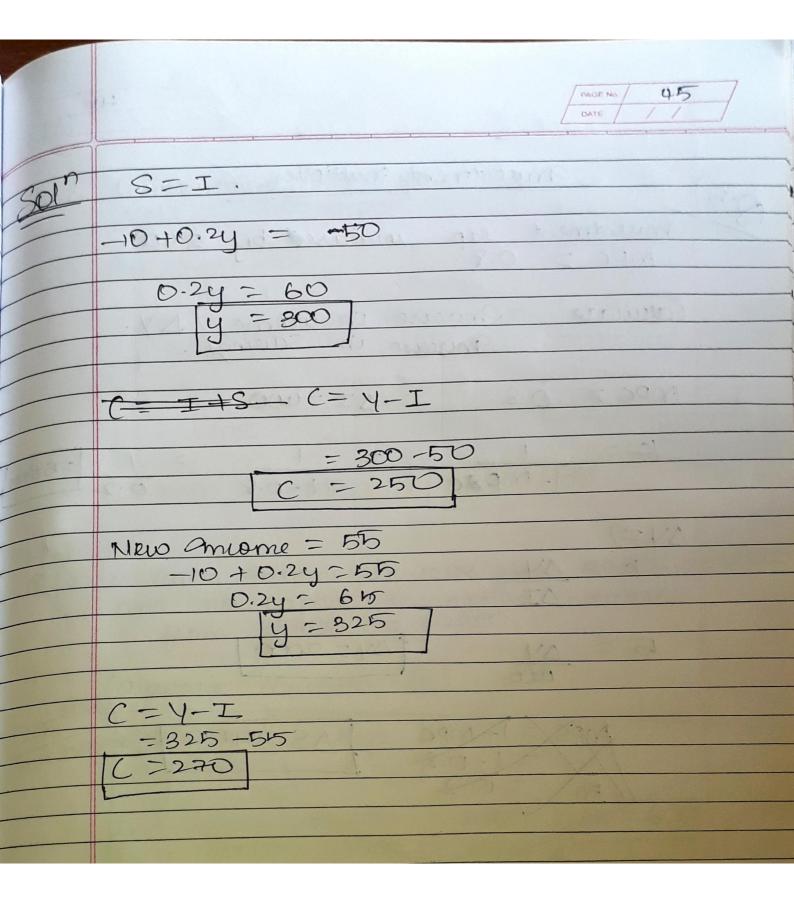


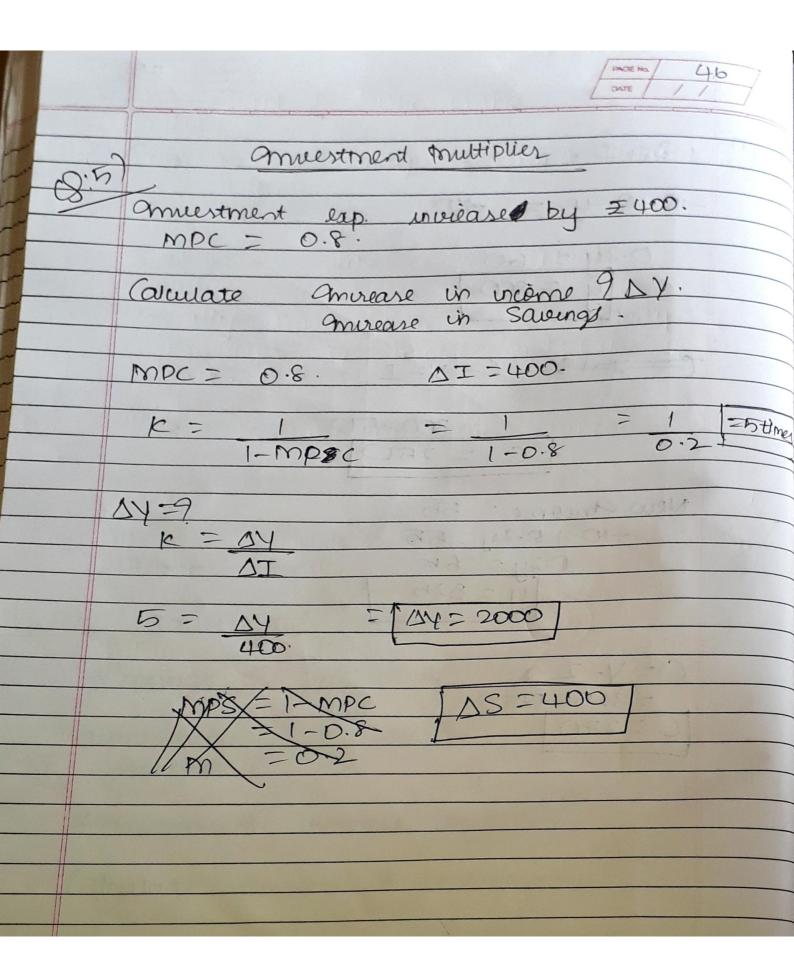


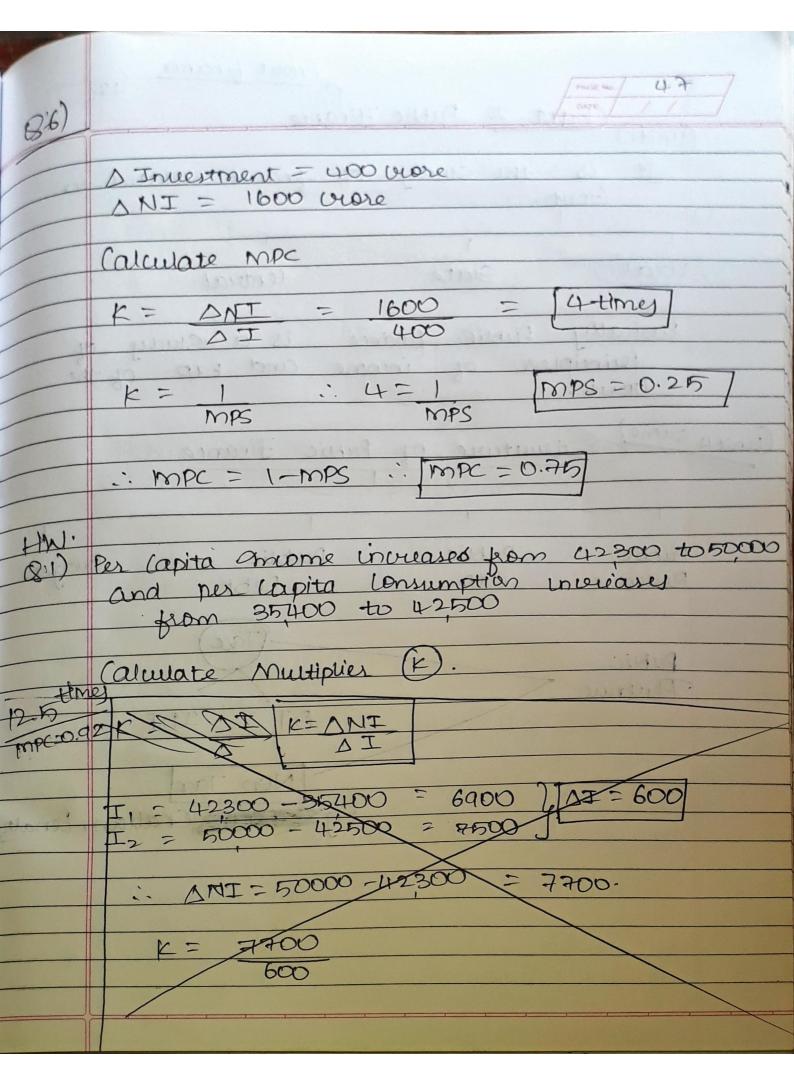


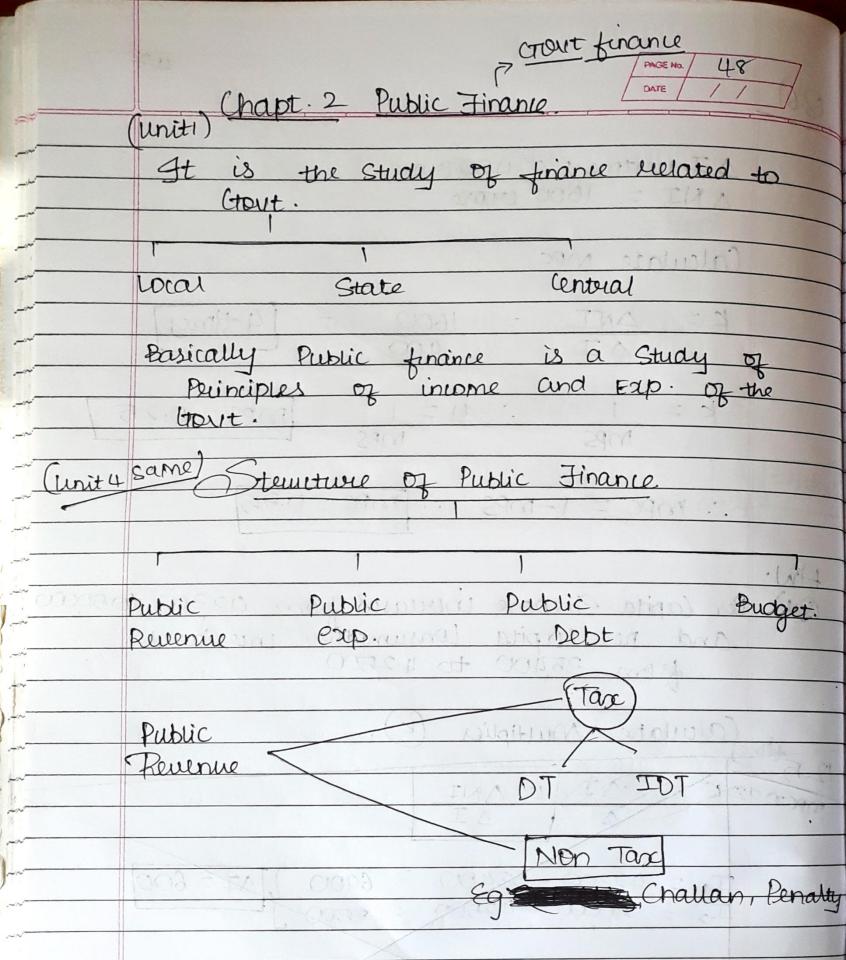
Autonomous consumption = 100 mps = 0.2annestment = 200 Calculate = NI 9 7=100+20.8 y Y= C+I. Y= 100+0.84 +200. 4=300+0.8y. 1 = 300 = 1500 0-2

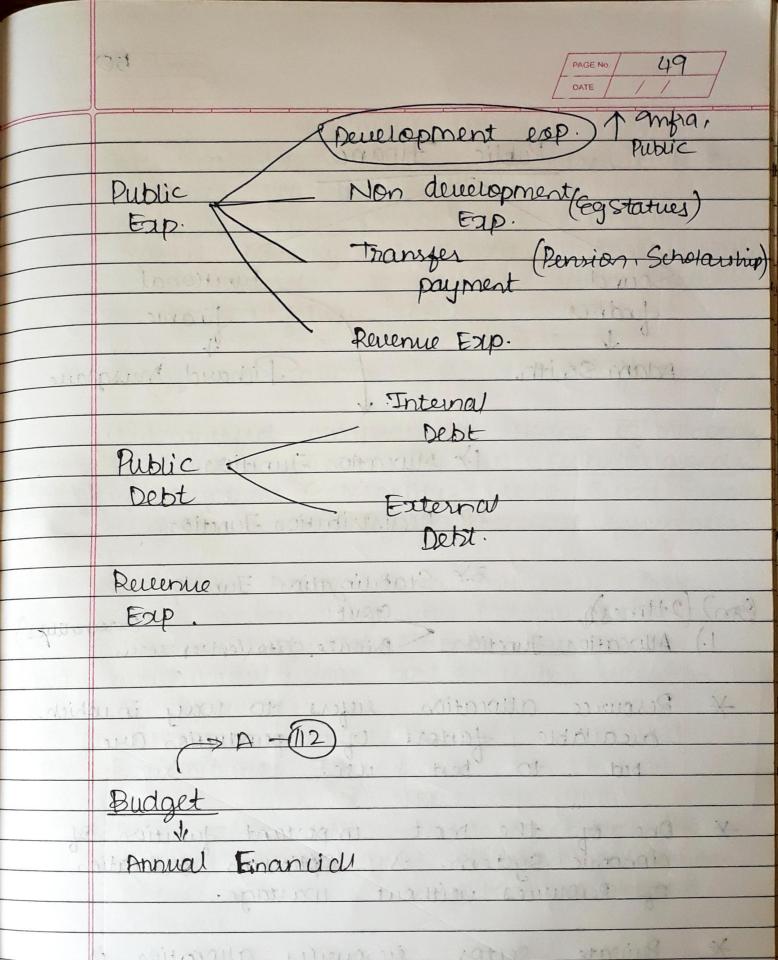












Public Finance Sound Functional finance finance Adam Smith. Richard Musquare 1: Alloration Function. 2:7 Redistribution Function.		PAGE NO. 50
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Sound Functional finance finance. Adam Smith. Richard Musquare 1: Allonation Function. 2:7 Redistribution Function.		Public Finance
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ACOU.		1> Allocation Function.
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34 Stabilination Function.	4	27 Redistribution Function.
Stabilization Function.		
		20000000 30000
Bon) (2-times) Gout (Externation	(8m)	2-times) Court (Externations)
1.) Atlocation Function Brivate: Certor/entrepreneur	1.)	Allocation Function Private: Certor/entrepreneur
- X Resource allocation engers to way in which.	-	Resource allocation engers to way in which.
available faitors of peroduction are		available faitors of peroduction are
put to best use.	4	put to best use.
- hobust		biobusti
* One of the most important function of	-	One of the most important function of
economic system is optimum accordin		economic System. is optimum allocation
of Resources veithout wastage.		of Resources weithout wastage.
* Private sector resources allocation is	*	Philate Seitor resources allocation is
based on market demand and Supply		
price mechanism, consumer preperance &		
Perofit Motive.	en.	Drice Mechanism, consumer nucleanue &

State allocation is based on ellucione & exp artivities of Gout Budget. Chrisotte entrepreneurs)

** Market economy is Subject to Malfunctioning

** A misallocation of resources which leads

to market failure (loss.)

** Amethicient audiation is due to following. (1) amperfed competition & Peresence of monopoly Electricity & Markets fail to Peroduct Collective goods Railways (3) Negative Externalities which affets People whatersupply anome inequalities of imperfed information conclusion According to Musgraue Grout.

is a medium by which Needs and

concerns of the Citizens are fulfilled uenich weil lead to optimum allocation Attorne assitudionais administration 27 Redistribution Function: (1.) The aistribution function of Budget is related to a Basic Question for Whom Should as an economy produce goods & (2) gt mainly focus on Equity favrines & justice.

- B.) Distribution function of Grout aims at advancing well being to those members of Society who Suffer from absolute Powerty.
 - (4) Reversioning income wearth & opportunity and ensuring minimum standard of lilling.
 - (5) The distoilbution function performed by Goret au as formires:
 - (i) Perogressive taxation & groing Subsidy to Poor word & spirition of some
 - (ii) Financing public services that Benefit Lour income households (Aayushmaan Bharat
 - (iii) Employment Reservation. (iv) Special Scheme for Barrward areas.
 - (1) Regulate & ban certain harmful products.

conclusion: The distribution function of Security to people the have have have an other words Redistribution should be efficiency Objective.

Ctout - Fiscal activity activity for welfare Market - Milling Stabilization Junction! anglation to Recession Public Eap 1 Tax 1 Public Expo 1 a aituut vuote Spena 1 POI wan v Loon 1

RBI - monetry

yaha pe govr. Mani dayega sir Ne bola haih ku assume karne kaa. Unit 2 muret Failure private entrapreneur de leads to misallemation of Society's Scare resources which either leads to Index production cerproduction OR of goods and Services reading to (Below efficiency level) who is vicating Problem is limpt, who is faing in 1) archet Dupply Side failure Producer is Responsible Demand Side andividual

Jailune is Responsible o not meorparate Do not take into account full willingness producing the Of consumer Production to pay Produces of tyes QQQ)->customer MigCost + External Cont 5000 1 + 2000 eas = 7000 Cort Price 1 Demany: Pollution J

Externalities:

Anything that one individual does at the margin have some offert on others Eg: If individual decides to Shift from Consumption of ordinary legetables to consumption of organic legetables this usually lead to increase in the price of organic Vegetables & fredure the uselfare of Consumer Sun cost or Benefit which are not accounted by market Price are called as externation

Externalities aue also fenouen as spillouer effect. Neighbourhood effect; thriedparty effect or side effect.

X Negative peroduction Externalities:

They occur when action of one party imposes cost on another party.

Eg: pixchauge of medical waste into envers & lakes which leads to Health Hazards.

* Positive production Externalities:

Benefit on another party:

attoractive garden and people uno are walking by enjoying the garden.

-X Megative Consumption externalities:	
3 32 37	1
They are latensively experienced by pe in clay to day life having negative Eq: Active Smoker creating Prublem to passive Smoker Therowing garbage and creating litter	ople
in day to day life having regame	impact.
Eq: Active Smoker weating Peublem to	
passice Smoter	
Therowing garbage and breating litter	
V Doiting (provincetion Externative)	
* Positive Consumption Externatives	
They impose external Benefit on other	8
They impose external Benefit on other may be received on consumption or	
Perpolustion.	
Jugues P. 17	
Eg: A person getting Steralized agains Contagious disease which will pereve	<u>t </u>
Contagious disease uchich will perere	at
others from getting injected.	75
* Mauginal Perivate Benefit (MPB).	
* marginal Social Benefit (MSB)	×
* marginal Perivate cost (MPC)	
1	2.
cost of manufacturing	*
(2000)	
1 Margarita Social	-V.
msc = mpc + External Cost	
The standard of the standard o	
= +000 + 2000 phulian nu mil	- ×-
in a tempetitie market coop. :=	

4

Any Shaded area in diagram will be consor welfare Negative Peroduction Externalities y long neelface Pollution. Output. The Equilibraium level of Output that would be peroduced by Jeree Market is of at which MPB = MPC MSC exercisents full or touce cost to the Society . Since it includes both MPC & External lost. Social efficiency occurs at Q, level of output where MSC = MPB at point "B". The small triangle ABC depresents loss of neeface. It indicates the area of overprodu Thus we conclude that there is Negative externally in a competitive market.

Public Goods

PAGE NO 59
DATE

* Characteristics of Perivate Goods! Perivate Goods erefers to these goods that field utility to people . Anyone wants to consume must purchase them. Oueners of perivate goods can exercise perivate property eights - consumption of Perivate Goods is suivaleious in Nature Simutaneous consumption by more than one person wear give reduced - Benefits - Perivate goods can easily be distributed or Parieted out. - Private goods can be Rejected if person's Pergerance & Budget changes! Periente goods do not have peroblem of Jeree sides month miles DELIGIOUS POLICE CONTIAN DE L'ON MORNING Periente goods au excuedable in Mature. It is possible to prevent others from using it.

* Characteristics of Public Grows: Public goods yield utility to pub people whose consumption is eventially collective in Mature - Public goods are Non Rivalrous in Nature Eg: If you wealt in a street light other person too can wealt werthout any evedured Benegits from Storeet light. and the state of the state of indivisible goods are characterised by - Public goods de haue a Peroblem of Ferce sider. Public goods are Non Excludable in Nature One individual cannot demay derry other from using it. wenen Public goods are Peroxided the addition eresource cost of another Person consuming it is zero.

	PAGE No 61 DATE //
	Public Goods
1111	THE PRINCIPLE OF THE PR
	Priese & empure public goods
	, Quasi public goods.
	, quad paper gous.
Am	
	Crotal Publici goods
2011	The state which a section of the
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	Incomplete information
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Symp	nation Selection Hazard.
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1	Theomplete Information
	To 18 that Cituation in a umplittill
	mouret where beenle are not autre about
	page bratters, generally they have
-	inacquente & incomplete data consequently makes verong unoice or decision.
	makes wrong unou or alaston.
).	Asymmetric information:
	Asymmetric information occurs when there is impalance information between buyers &
	sellers i.e when buyer knows more than
	CITIES ON CITIES THE CONTRACTOR
-	Ea: I and loaved knows more about property
	Eg: Land Loaved Knows more about property. than tenant.

There are situation where one party purposely hides certain material facts from the other party.

Adresse Selection.

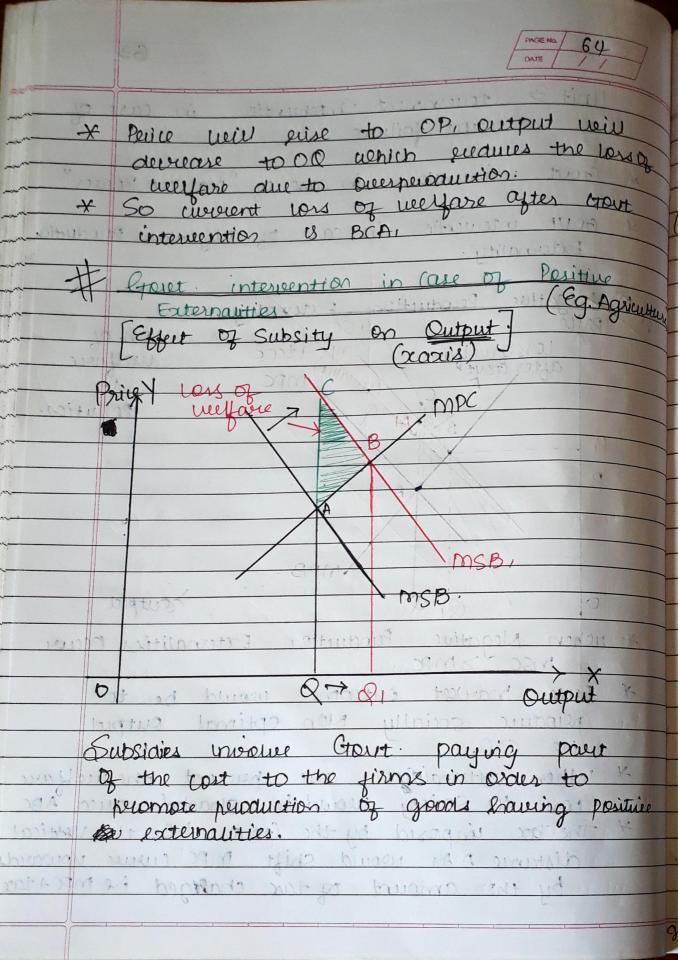
Adverse Selection is the cituation in which asymmetric information about quality all market brigh Quality goods from the market Grood Quality goods disappear Greentually market may offer nothing but lens

St is a Situation where by a well informed person taking advantage of less informed person. This situation takes place when an individual knows more about his or her action than other

mount their hoper and hot active board board some socially they have hour disconsisted data consisted to board. I broard to board to board.

Later model such comments.

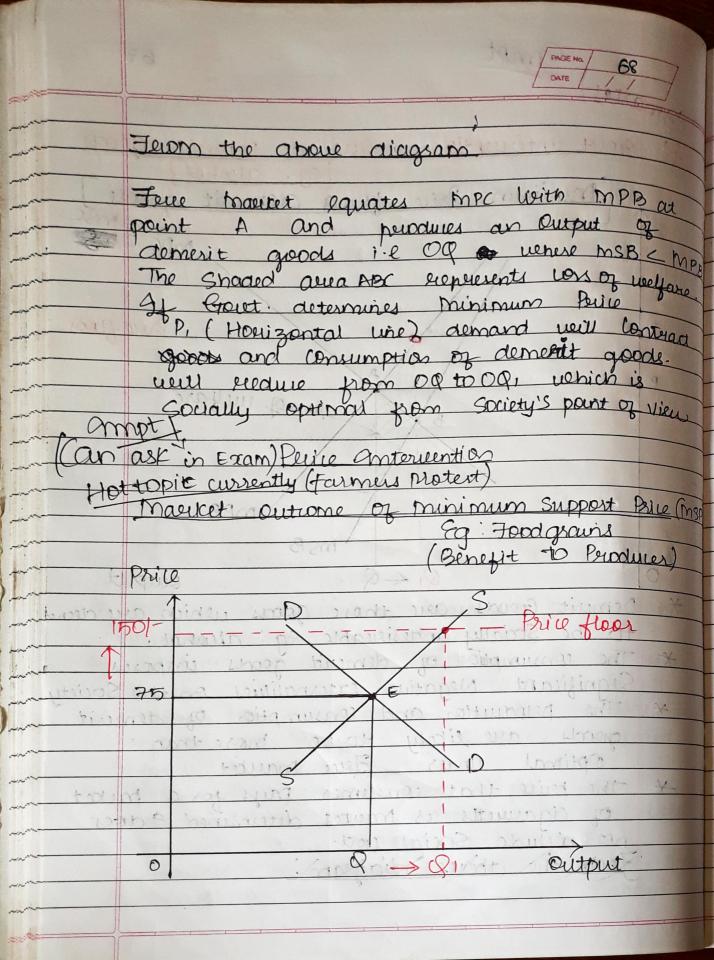
Unit 3. Concernment Intervention in case of
mauret failure
11 241 (2111121) 421420 30 14 200 11111
Crout intervention in case of "macicet Power"
DEL (3(1) 3(1) 13) 13 (4) (1) (1)
Externality.
Control Contro
Price Peroduetton Externality.
1 conquellaro mpc trace mellare after grove (conalle) mpc
Pollution.
a Al
P1
P
MPB.
a de la control
O Q Q
when Negative Peroduction Externalities Occur
MSC > MPC
Ferce market outrome would be to
perodure socially Mon optimal output
perodure socially Mon optimal output
Tallace externalities all nelsery the western
Loss to Society would be shaded area ABC
The tax imposed by the Ctout i.e the Vertical
distance A A: would shift MPC curve upwoord by the amount of tax charged i.e MPC+tax
by the amount of the charge

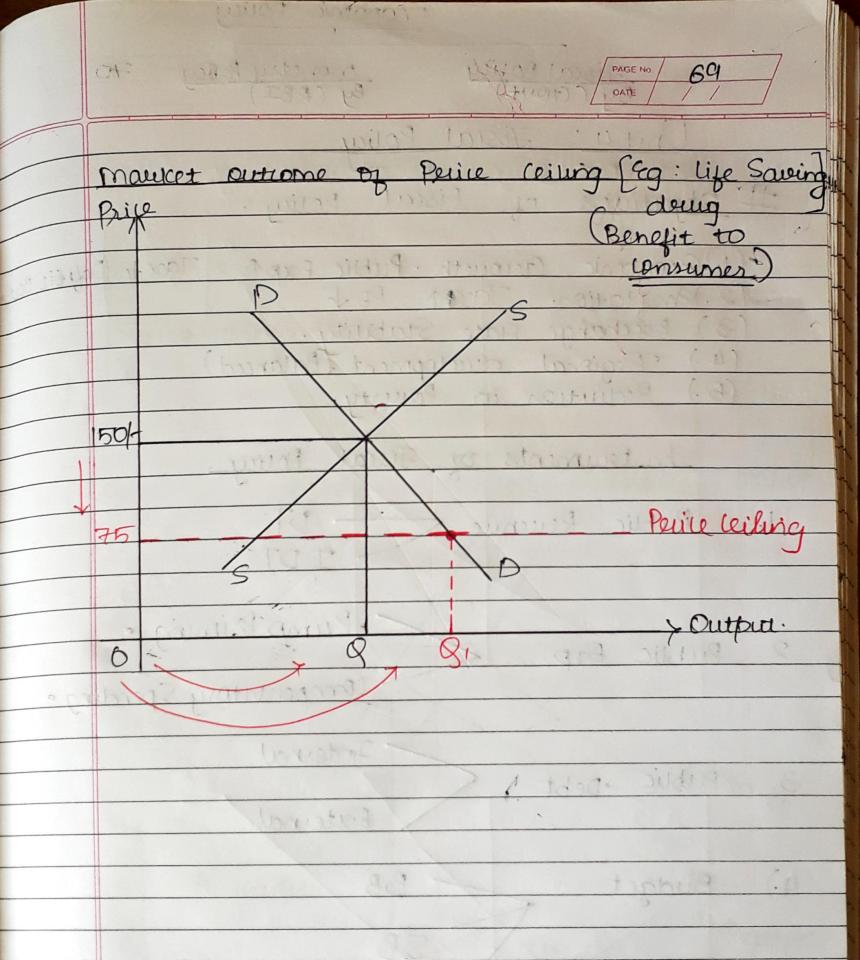


Substancial positive externalities would require the cost & consequently the price & will Dom get Shift the Supply Curice to Right (Supply increase) * A higher output would equate MSB, & MPC out point B which will give Socially optimal output OQ leading to reduction in loss of neetfare. I Great intercention in case of Diagram & itemplaurication is omnitted) Education * merit goods are those goods wethich are deemed to be Socially desilvable therefore Govet encourages its consumption. + Substantial positive Externalities are involved in consumption of merit Goods Eg: Healthear * an contrast to public goods merit goods are excludable in Nature, sival in consumption limited in Supply & Rejected by those marginal cost. The involves positive * merit Goods can be provided through market neuranism but are likely to be underproduced E under Consumed. A when Government provides merit goods it may guer eine to lauge Economies of Scale which will generate substantial positive Externatities overlooming the problem

(2 marks Question) - Consumption of merit goods at zero Uin: Free Market price (Price charged by private Entrapieneui to be Secially divinable OP is the output of healthrave services when free manket houres is changed. * 60 is the output of Heatthcare Services when Foret provides faculties of zero prive. of cost there well be substantial demand for the Same in my prillians of From the above diagram if people are elequired to pay market perice they will consume only Of they of Healthrave is pouvoided pre of cost le at Zero prise. Demo increases to OD which will exceed Supply. Tillou sim? is vingolos sount of sving with

marry) ampt Growt intercention in case of Demerit goods eq. alcohol? Munimum Price for a demerit goods pers of welfare mpB 100 MSB output Demerit Goods are those goods which are deemed to be Socially undesireable Eg: alcohol. The consumption of demerit goods impreses Significant Negative externalities on the Society * The perpoduction and consumption of demerit goods are likely to be more than Optimal under Ferce market of the price that consumer pays for a parket of cigarmetts is market determined A does not include Social cost-From the above diagram.



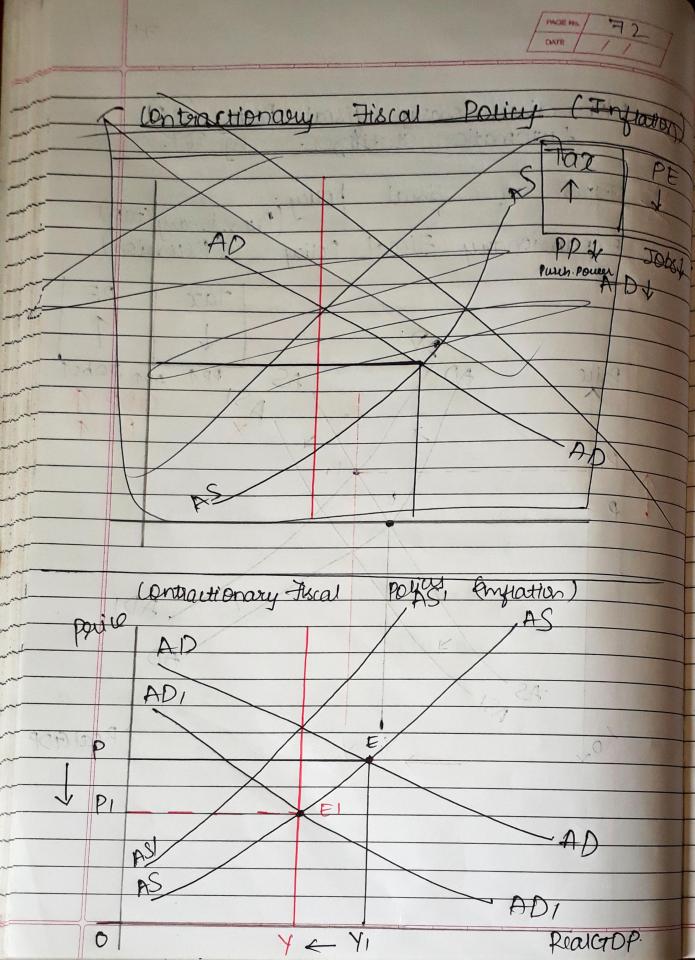


	Economic Policy
	Fiscal Policy monetry Policy 70 By (Crout) By (RBI)
SERVE -	Unit 4: Fiscal Policy
June 1911	The second wind I would be the
4	Objectives of Fiscal Policy.
- Annual Contraction of the Cont	1.) Economic Geroueth Public Exp1 Tax & Percit & 2.) Anglation. Total PEX
	2.) Anglation. Town PET 3) Exchange rate Stability.
- Land	(b) Exchange erate Stability.
	(4) Regional development (Balanced) (5) Reduction in Powerty.
	13.) Requestion in Pollerty.
	Instruments of Fiscal Policy.
1	
	Public Revenue DI
Land	
. 171	Pump Priming.
2.	Public Fap.
July	compensatory Spending.
Land	Internal
3.	Public Debt
- Lind	Enternal
4)	Budget BB
	CD
	SB
	DB.
100	

Non discretionary fiscal Policy (OP) Automatic Stabilizes. pg 369. Types of fiscal policy:

(Recessionary Gap)

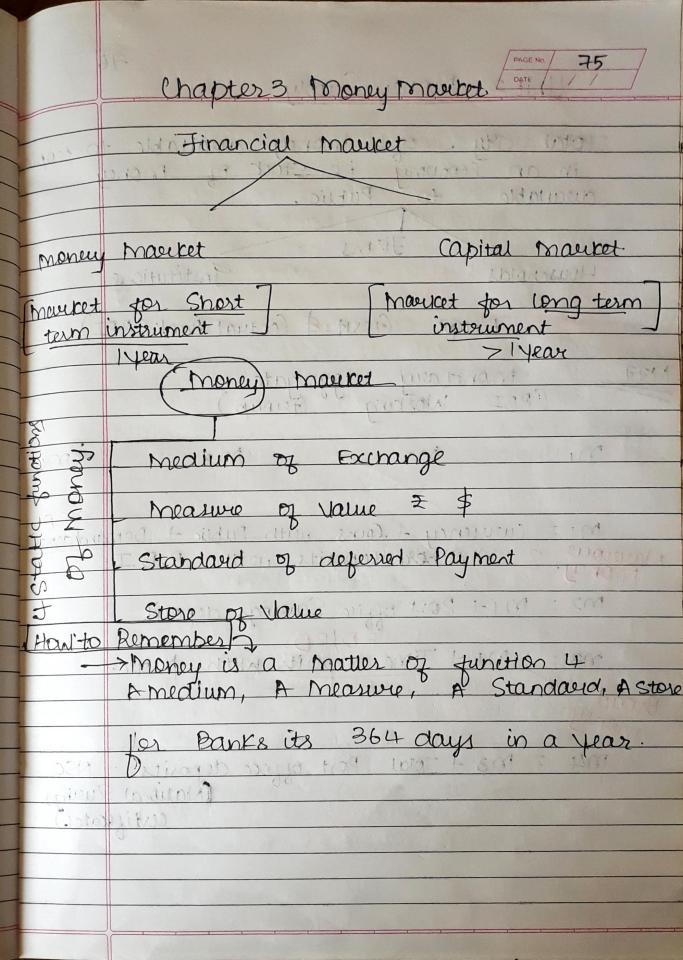
Expansionary Fiscal Policy (Recession) Tax PPA ADA JOBSA Price GDP > Real GOP



Distinguish Between Expansionary A contractionary
Fiscal Policy. 1. Expansionary fiscal policy is defined as increase in Golf Exp. or decrease in taxes that causes Golf Budget deficit to invease or its budget Surplus to decrease. conteartionary Fiscal poury is defined as develose in Gout exp. or inviewse in taxes that causes crourt. budget deficit to devience or its bugget Surply to 2. Expansionary fiscal policy is used to address the purplem of Reversion and the peroblem of teneral unemployment due to Business contenantionary fiscal poviny is used to address the peroblem of Anglation due to extreme high GDP Grevourth. 3. Expansionary fiscal policy regers to the deliberate policy of Gorth applied to universe aggregate demand & Simultaneously increase the level of economic activity.

Contractionary fiscal policy sisters to deliberate policy of Gorth to ecolule aggregate demand and Simultaneously reduce the level of economic activity.

	PAGE No. 74 DATE
000 01	+ Expansionary fiscal policy is aimed at
	eliminating eleversionary Gap. Contractionary fiscal policy is aimed at eliminating inflationary Grap.
o	at eliminating inflationary (70).
6	Delaw alagram of both the aspects.
	mailed is the prince is defined
Ni:	taxes that cause they budge to
200	to decrease or its budget & Surply of
LA 3123	2. Expansionary fixal policy is the de
010	
	estimated unproportion our to Business
	21100
	cot how is using lossic measitions to
03-	out of the maldouse out within
	Cottenan Might GDP Generation.



Unit 2 Money Supply in an economy i.e stock of money arearlable to Public Firms Institutions. Households Except Govt & Central Bank (RBI) (RBI Working Geroup) 1977 Many many mi Mi = Currency + Cours with Public + Demand deposits Narrious 2 + Other deposits with R.B.I. outour to orninous CASO M2 = M1+ Port office Savings deposit m3 = Mi + Time deposits with public. DOWNER TO 354 COUNTY IN A m4 = m3 + Total Post office deposits - NSC certificates)

	DATE //
	1998: RBI Wouting Geroup.
	New Monetary aggregates.
	NM = Chresport A coins with Dublic + Domind
5.11 0	Deposits + other deposits with RBI. NM2 = CMM, + Time liabilities portion of Sawing + Certificate of deposit. + Term (FORD deposits Maturita within the many (-) FCNR(B) deposits
posits	Motwing within one year (-) FCNP(B) deposits Foreign (wviency Non Residential (Bank)
	NM3 = NM2 + Term deposits making over
	oneyear + Cau Boeviouvings of Banking System.
1	Reserve Money High Powered Money
	Monetary Base
(1)	RM = Cueviency in Cierculation (1)
	Bankers deposit weath RBI
	Other deposits with RBI
(2)	RM = Net RBI credit to Govt.
	RBI wedit to commercial Sector
	+ RBI Net Foreign assets. (-) RBI Net Non + Crovit avoiency liability to Public

	PAGE NO 78 DATE //
-	THE SEL MENTER POLICE
السر	Liquidity aggregates -> NBFC
·	
	4 = NM3 + All deposits with the Prest
- Jovenson	Office Savernay bank - NSC.
mi.	
- mien	L2 = L1 + Term deposits with term lending institutions or FI'S NBFC
Live	+ Term borrowing by FI'S +
Teritu	certificate of deposit by FIS.
	> () (1) Section of the first of the section of the
	L3 = 12 + PUHIC deposits of MBFC
W. #1	prement stimes most + sall = sall
	Sumener stigeth and + care care
	· mary be parrow
81	Calculate
- <u> </u>	Ci) Harring doit! which princed prince
<u> - </u>	(i) Naverow Money. (ii) Net time apposits wan bank
	cong term deposits 848:15
(8)	not Demand deposits with bank 163374.5
(3)	RBI Claim on bank 4,16,025
(4)	Ottos donnite At DBL Tho. 1:
(5)	Cuerency With Public 215,342
(6)	Cuevency With Public 215,342 M3 = 517990.
\rightarrow	Nauerow = 215342+163,374.5, +766.1.
	Marerow = 215342+163,374.5, +756.1. Money = 237,472.6

t gent mount inbuilty to

William

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PAGE No.	79 /
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	m3 = m1 + Net time deposit with bank/pur
-	
	517990 = 379,472.6 + Net timo deposits.
	= 138517.4cr.
	magnie mant = mightunt word
	Calculate High Powered Money.
4	RBI monetary liability 780
	currency in desculation 15230.40
	Shot term deposits
	Bankers deposit weth RBI 3618.18
ic	Other Deposit weth RBI 653.30.
	long term alposits. 4300.
	Figh Pours of deposit commission
	RM = 15230.40 + 3618.18 + 653.30-
	= 19,501.88
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	colemna and we take

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Service .	
- Marilyan	money multiplier
- Land	The state of the s
2.14	Anna Schwartz.
	Milton Feviedman 1963
	· 138 5 138 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
date.	Money Multiplier = money Supply
	Money Multiplier = Money Supply Monetory Bake
	Definition: "Money Multiplies is defined as evotion that evelates to changes in money Supply to given change in monetary
Lan-	evotio that evelates to changes in money
	Supply to given change in monetary
- OC &	sase.
-an-	Cuevency weth Public
Lan-	Will not lead to]
-in-	High Powered Laposit expansion I
- Limina	Bank deport
1	[will lead to deposit]
(+	expansion
Inc	Working of Multiplier.
)	Assume that Reserve Ratio in Andia is 10%.
	Suppose you deposit 1000/- in HDFC Bank
manual de la constantina della	1000×107. = 100.
-in-	10000107.
	Bank you lend 900/- to Mr'A'
	I.
wwi.	MA will donn't apple in his har coall
man de la companya della companya della companya de la companya della companya de	Mr.A will deposit 900/- in his bank (Axis.
	Axis Bank new lend 810 to Mr. B

PAGE NO.	81	
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EDOCULLAGO

OIL	Suppose initial deposit = 2 5200 Reg. Res. Ratio
3	Reg. Res. Ratio
	(i) Calculate cuedit muttiplier y RRR = 0.015
	(i) Calculate couldit culation if RRR=0.06
	1000
	(i) Coudit multiplier = 1 = 1 = 6646 RRR 0.015 times
	RRR 0.015 time
	(ii) bredit breation = 5200 × 1 = 86,666
	10006×
0.1	Calculate Ceredit multiplier as well as. total ceredit created if RRR = 0.02 initial deposit. = 24000.
13.1	total culdit areated if RRR = 0.02
	initial deposit. = 24000:
4	free free
->	wedit multiplier = 1 = 150-times
	KKK 0.02
	Credit Created = 4000 x 1 = 200,000
	wildow to 80.02 min 3 8

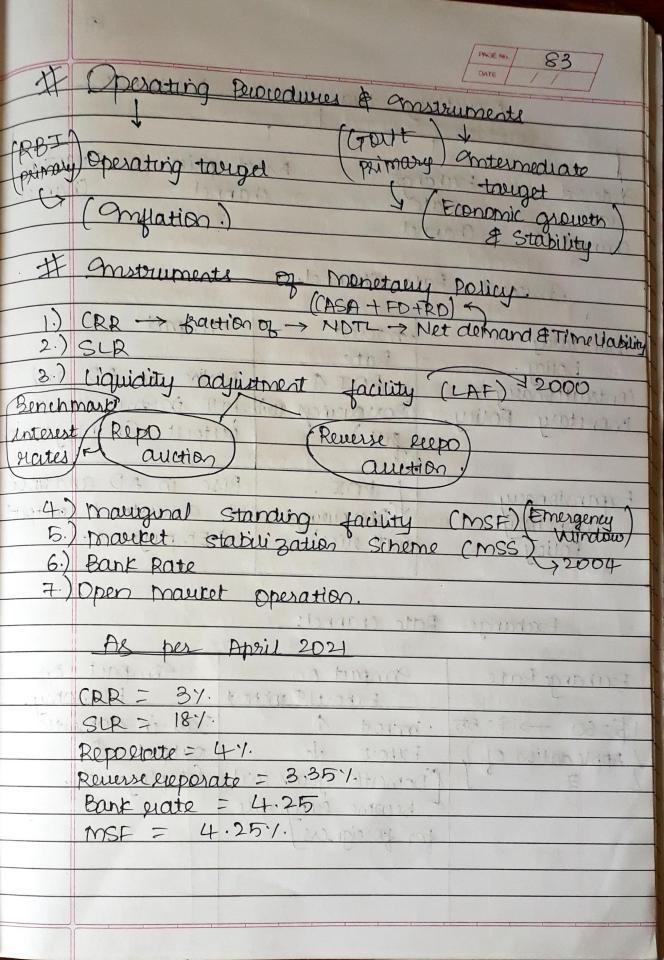
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is time	
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	* cost of money .
9	0.0. 999 hotell Filmen Inlat
*	Objeitives of Money Policy.
socali-d	GDP Geworth Thurston
2.	Perice Grability Tradition
000	(Lb1)
3.	Exchange élate Stability Equal distribution of vironne to weaker Certion
5.	Encourage inieestment in Gort. Securities.
	tern (10 V/s)

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PAGE No	84
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-	DATE / / /				
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2 1 1/1	7	-	goods w	output Emplo	
		Lheinmo	lapensi	il Employ	INU.
		for foreign		10.13	1000
		Dr. Dr. D			

15=60-> 1\$=65 Import V Domestic Output also Export 1 dust Domestic goods well to be cheaper for employment. nnel. foreigners) Anset price Channel: * Anset Peice exerpend to monetary policy m changes and consequently affect output TI employment & inflation. ment. * weith elaise in interest grates, investments Stile in debt instruments become attractive upud and hence inventment in Equity tenous to fall. * This causes fall in Equally Perices and there by leads to reduction on household financial ullatth. I utimately leads to fall in consumption, Loutput & employment

· La word

		PAGE NO 86 DATE //			
1-1-1	Quantum Channel	633 11 1 1 1			
-	Air a Programme				
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	The service of the service of				
	Bank lending Ba	lance Sheet			
m	channel.				
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1-	Uhit 1: Demand for t	noney			
	iliano (1)				
-	Classical approach.				
11)	with punty and the beautiful the	THE PROPERTY			
	Cash teransactions approach				
N-7-	V situation to				
	Pty theory of money				
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11316-	Juse of money Conly	asaf			
	2 Medium of Exchange				
1	Counties is the Freeheave a	and and			
	Equation of Exchange				
	[mal - PT]	Francis			
	mv = PT	m= money			
	MN = SUDDIND - MONOUS	Supply.			
	mr = Supply of money.	V = Velocity in			
	DT = howard on	Circulation of money			
	PT = Demand of money	P=Price love			
		77 \  0			
		T Volume of			
		Transa Hare			

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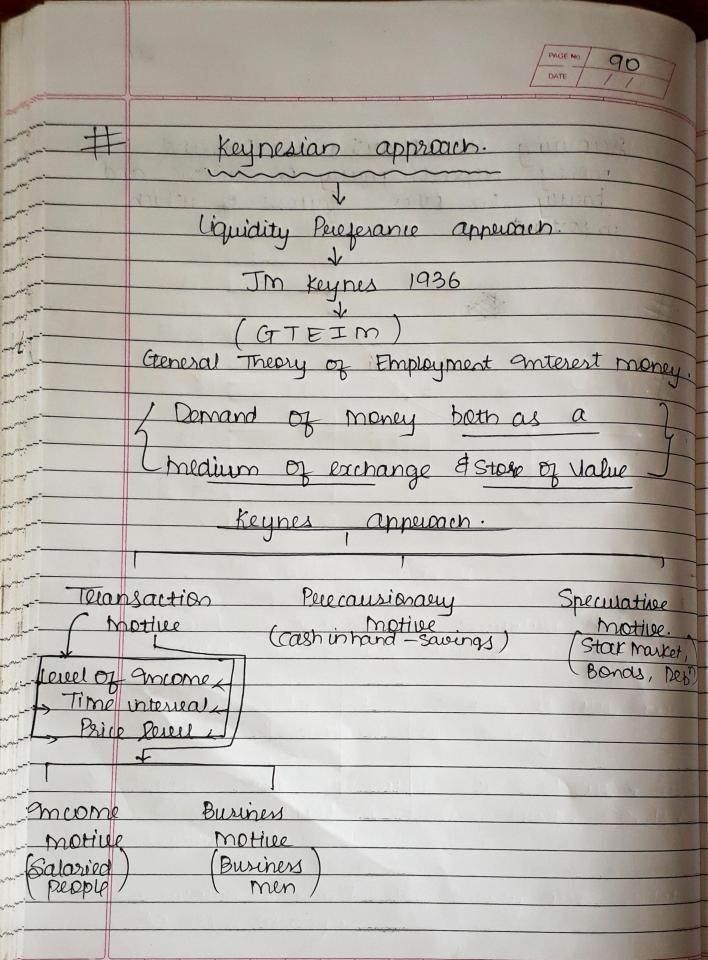
	Extended Version of Equation.
	talenala Wisson of Concurrent
	MV + MIV, = PT CASA
-	Called Called Called Control of the Called Control of the Called Called Control of the Called
	M1= Total Pry of cuedit money.
	V.= Verocity in circulation of coedit Money
IE	Neo- Classical approach.
4	han on a white Initially. All the
-	Cash balance appearen.
	Lugary & university trickans
	Pigou   Marshall [Cambrige]
	hand when the approach I
d	in in hum 1917 in mails in prant to
	1 minimum manimum mani
	/ use of Money (only) as a Store of Value &
· 27/11/2	Equation of Exchange (Save)
1	Equator of Exercis
	M = KDY
	in a think think and the think the the
- 1	Cares while in the sure menus.
	md = Demand of Money
727	y = Real National income
	P = Perice Poile (inflation)
	PY - Nominal National income
into	K = Portion of National income people
	wound to bill as Cash.

=	
	Factors determining individual for holding
	cash.
_	) Prevailing interest rates (FD)
	· · · · · · · · · · · · · · · · · · ·
212900	Wealth owened by individuals
- 3	.) Expertation about future Perile.
	August Marie Control of the Control
<del>X</del>	The Neo - classical theory of demand for money is put forward by Cambridge Economist marshau & Pigou
	money is put forward by ambridge
	economist marshall 4 rigoli
¥	The New classical appearach of demand
*	for money is attom also called as Cash
	balance approach.
1 2110	in Note of Manual Education
*	The Cash balance theory of demand for money emphasis on store of value function of
1	
	money.
×	The Constitute Marine Provide Hout Doors
	The Campridge Vernon holds that money guiles utility in two ways.
	mana manada a banada a ba
1) Possibility of Split up of Sale & Avennow	
	Possibility of Split up of Sale & purmase (Teransaction motive but infuture.)
2.)	Money acts as a hedge against uncertaint
	· No Lo bla of hund

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	According to marshall pernand for money depends partly on income and partly on other factors of which important
	money depends party on income and
	buerty on other factors of which
	important
4	aspi man mit
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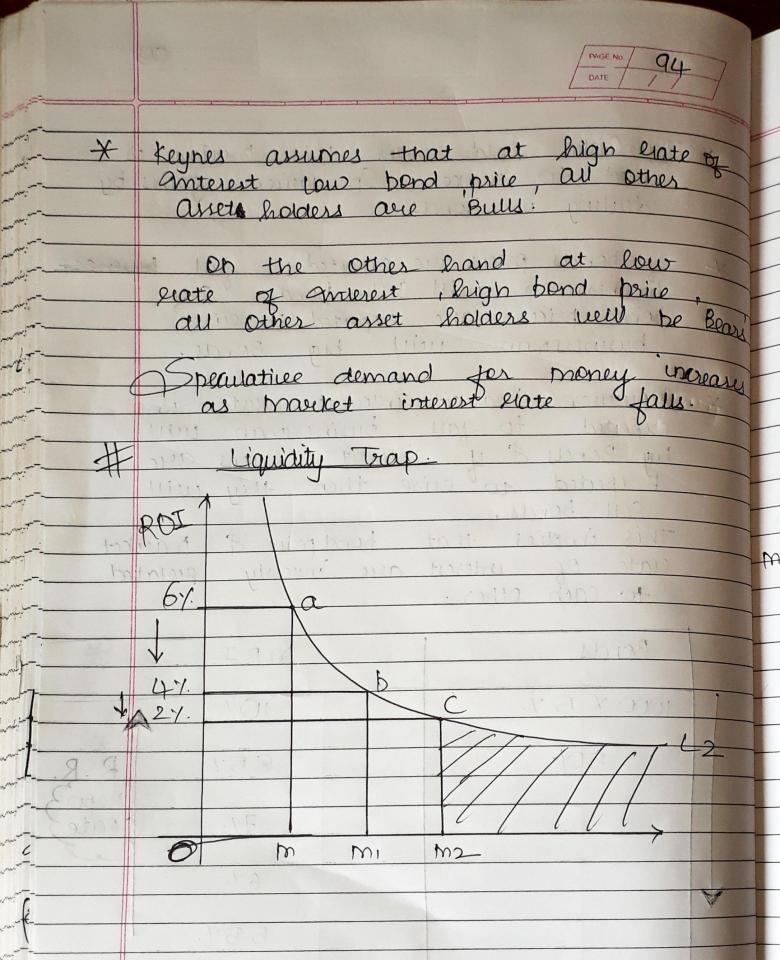
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NOTE The helow diagrams are common for both Teransation of prevausionary 9, don't write both the words TAP el of level of income m Demand for money for teransactions of Perecausionary motives. amionne Amelastic (Not dependent. point is bloom building Perse had alterative to 44/200 Direct Circ Carly Executation depend for somey also · Widentmall ch O Demand of Money for Thansaction & Precausionary motive

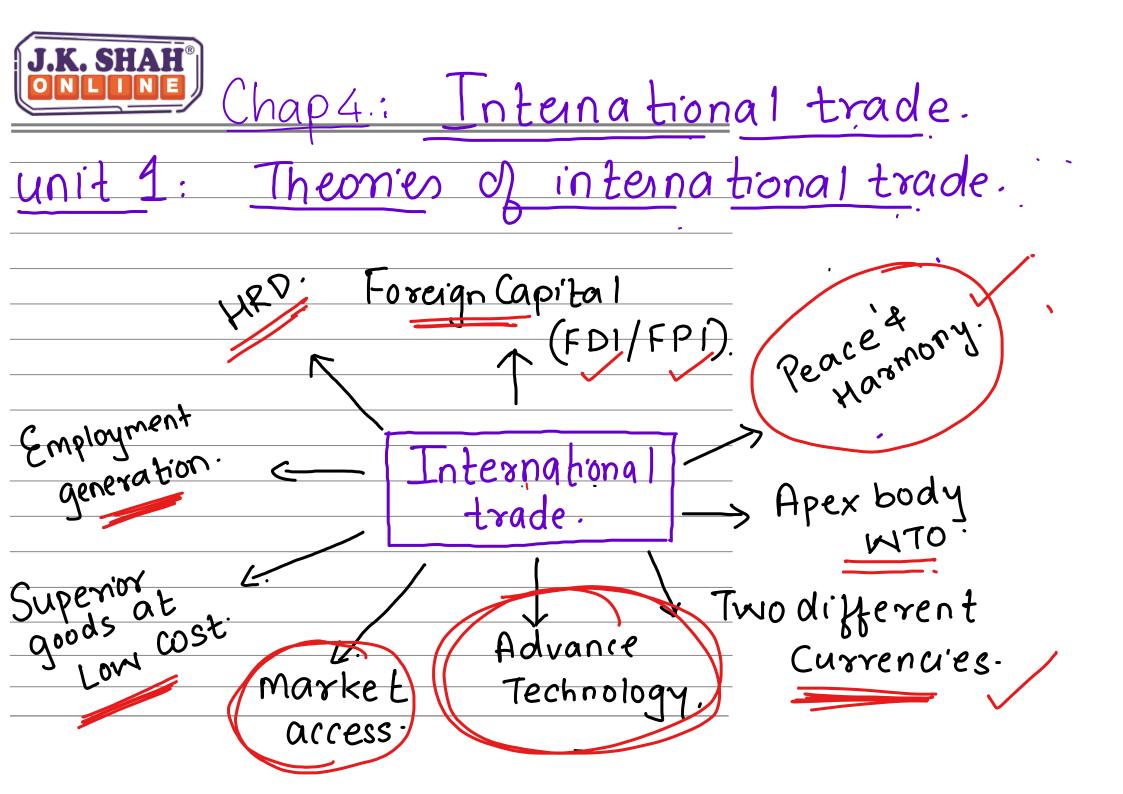
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	Demand of money.
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*	Demand of money for Speculative motive is
M.	Helated to store of laure quartion of money
J. X	Special article demand of papers is also by
	Speculative demand of money is also knows as asset demand of money.
4	The state of the s
*	People have alternative to held either Cash
-	or financial asset like Govit. Bonds or
4	Equity 500 as on
w/	
*	Speculative demand too many also and
**	Speculative demand for money also relates to uncertainty.
111	unitary of the himself of
	with a war armin of B

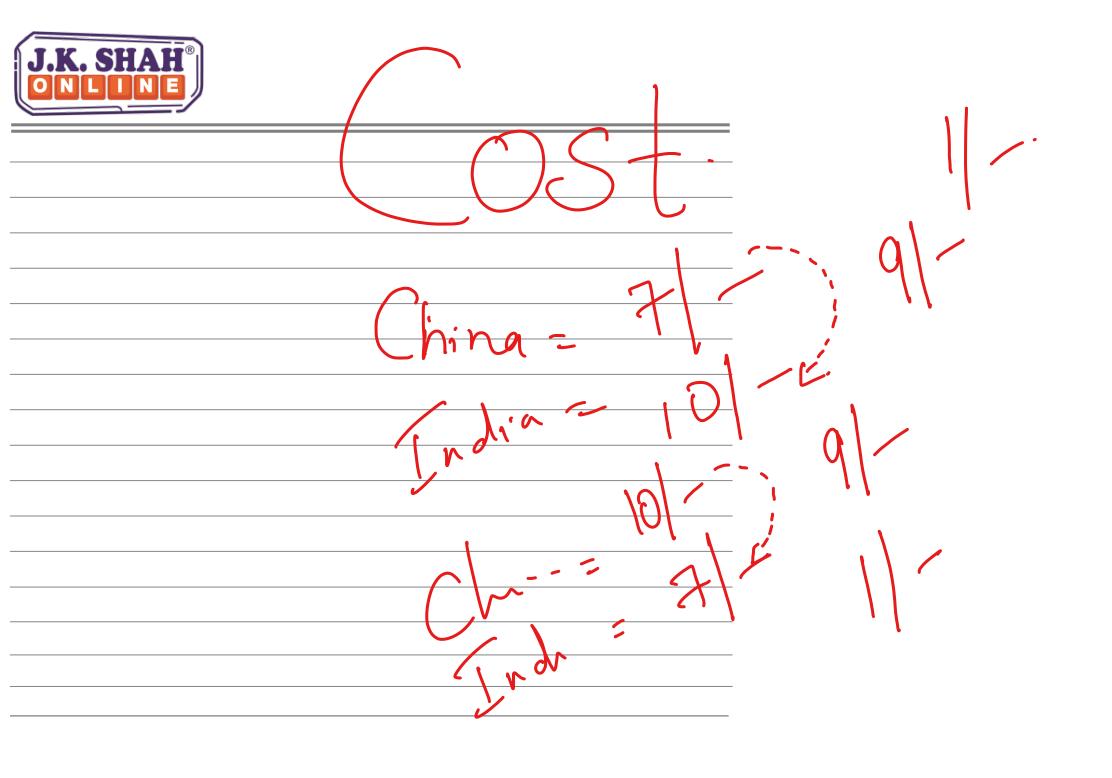
1	The Cash held under this motive is
*	used to make speculature yours by
	dealing in bonds.
*	of bonds prices are experted to full burness
	business man that see points
	bond prices are experted to exist
_	business man weill by Bonds.
	Housever market interest state is
X	expected to fall businessman will
_	him Bond & y interest states and
_	Expected to Perise then they will
	Coil bonds.
	This implies that bond price of market
	erate of interest acre inversly everated
	to each other.
	Bonds MRI
1	1000 x 5 7.
	= 50/- 8.57. R.R.
	71. Repo 3
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	500 × 10 y.



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	Port Keynesian apperach.
1	Then in the state of the state
*	mitton Feiled main theory.
*	muentory apperoach.
*	Behaviour towards Risk.
11	Post Keynesian appearen. Chicago School School School School School Economics
	Restatement theory. is an asset.
money	1
Ro	e of money -> creating -> Knownas Capital asset theory.
Pos	rdl Human wealth  Holio Non human wealth Returns  money (Cash)  Ret & Equity  Bonds.  Md = F(Wlatth)

Baumol & Not so Tobin important 96, Behaviour towards. muentory. Risk Appeloach Provention Champion. Permanent income. Parautum Empl Up angula 1--innualt Non Monetary monetary Asset o proprise into analyaiset 90100 101 Bonds Equity CASA | FD|RD curviency patterno - product EDANNIE --







#### unit 1

Menits of international trade.

- Economic efficiency and Contributes to economic appoints and development.
- 2.) International trade enhances

  Mechanization, Specalization, automation

  and greater investment in R4D.



- 3.) It Stimulates growith by Creating

  Jobs Which will reduce Poverty

  and unemployment:
- 4) It encourages FD14 FP1 improvement in Quality of Output of goods & Services.
- 5.) International trade provides Peace & Harmony among Nations.



### Demenits of International

trade.

- Outcome, Less demand for unskilled Labour.
- 2. L'Economic exploitation of underdeveloped Countries due to growing Political Power of MNC's
- 3.) Substantial environmental damage 4 exploitation of Natural resources.

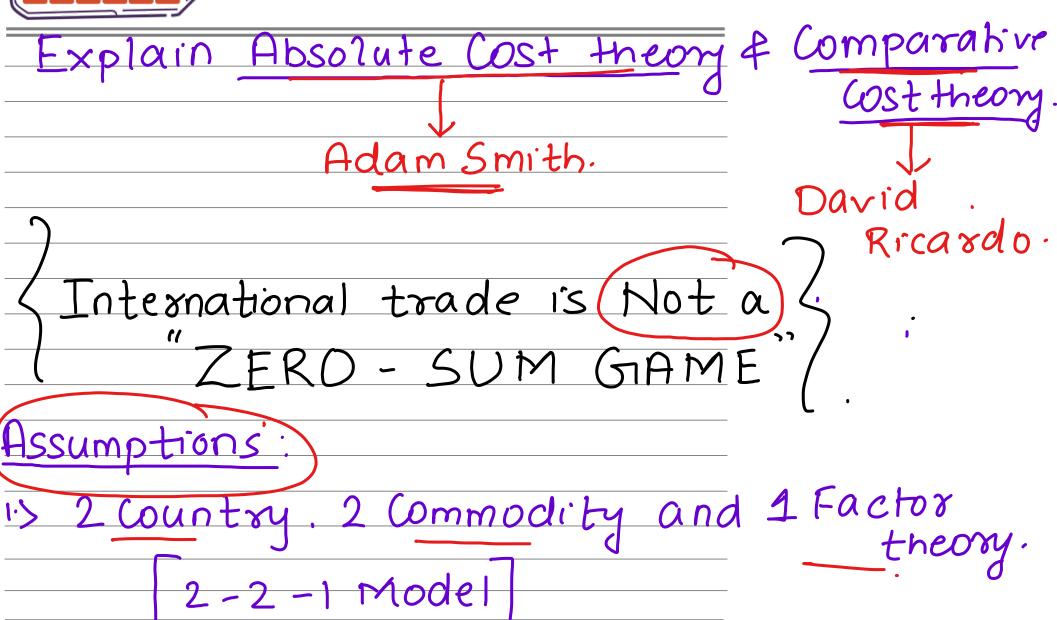


## J.K. SHAH 4.> Wellare of People may be

ignored due to Sake of Profits.

5.) Shift in Consumer Culture in Favour of Foreign goods Which may have adverse effect on domestic industries.







# 2.) Cost of Production is measured in Labour days.

3.) Same Currence	1 15	used	1'0	both
the Countries				

45 Trade is Free From Restriction.

Absolute Cost theory.

	Canada		Cost Ratio.
Wheat	10./	20	0.50 (10/20).
Jute.	20/	10/	2.00 (20/10).

|--|

Comparative Cost theory

			<u> </u>	0.34	
	Canada	India	Cost Ratio	$\mathcal{I}$	
Wheat	10/	5	10/15 = 0.	66	
Jute.	20/	25/	20/25 = 0	7.80	
India Jute: 1.50 (15/10).  India Jute: 1.25 (25/20).					



## Heckscher-Ohlin theory.

Factor Endowment Modern
theory

Also known as Heckscher - Ohlin Samuelson theory



Assumptions.:

1) 2 Country, 2 Commodity, 2 Factor 2-2-2 model.

2.) Other assumptions are Same as Classical theory.

Country differs in Factor endowments

Country 1 -> Capital abundant. US.
Country 2 -> Labour abundant India.



uses 3 units of Capital ommodity A 1 unit of Labour. Commodity B'uses 1 unit of Capital



Commodity A	Commodity B)
Uses Capital	Uses Labour.
Intensive techniques	intensive techniques
Scountry 1	Country 2
Capital abundant	Labour abundant
Country	county].

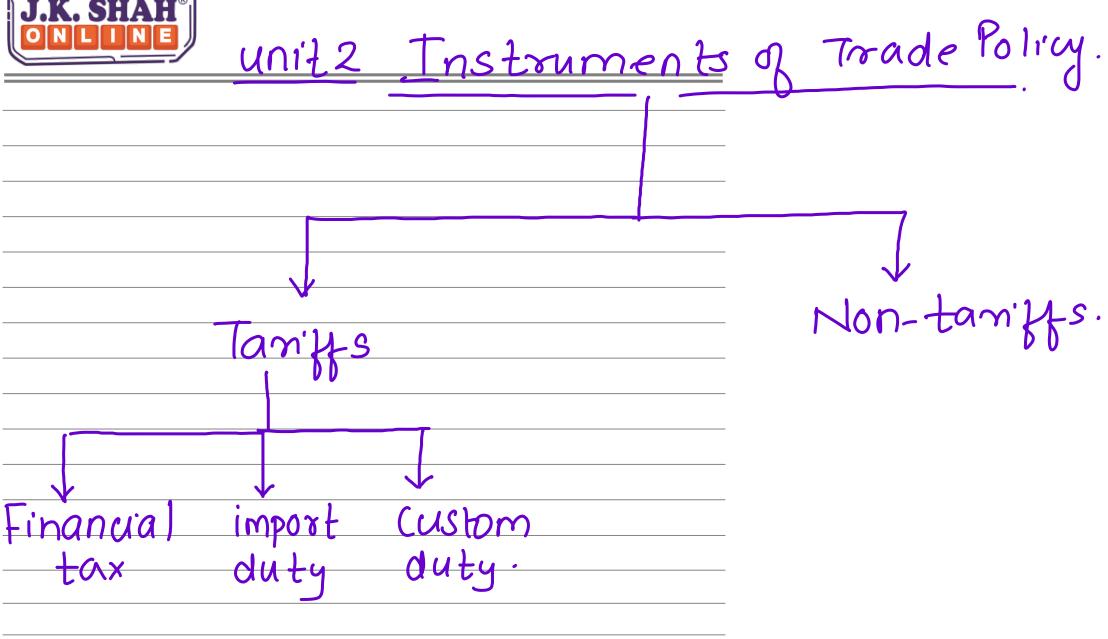


Remard for Capital (interest) Pi -> Country 1 P2 -> Country 2. Renard for Labour (Wages) . Before trade. W, -> Country 1 PILP, W2 -> County 2.



W	1	7	W	2	-





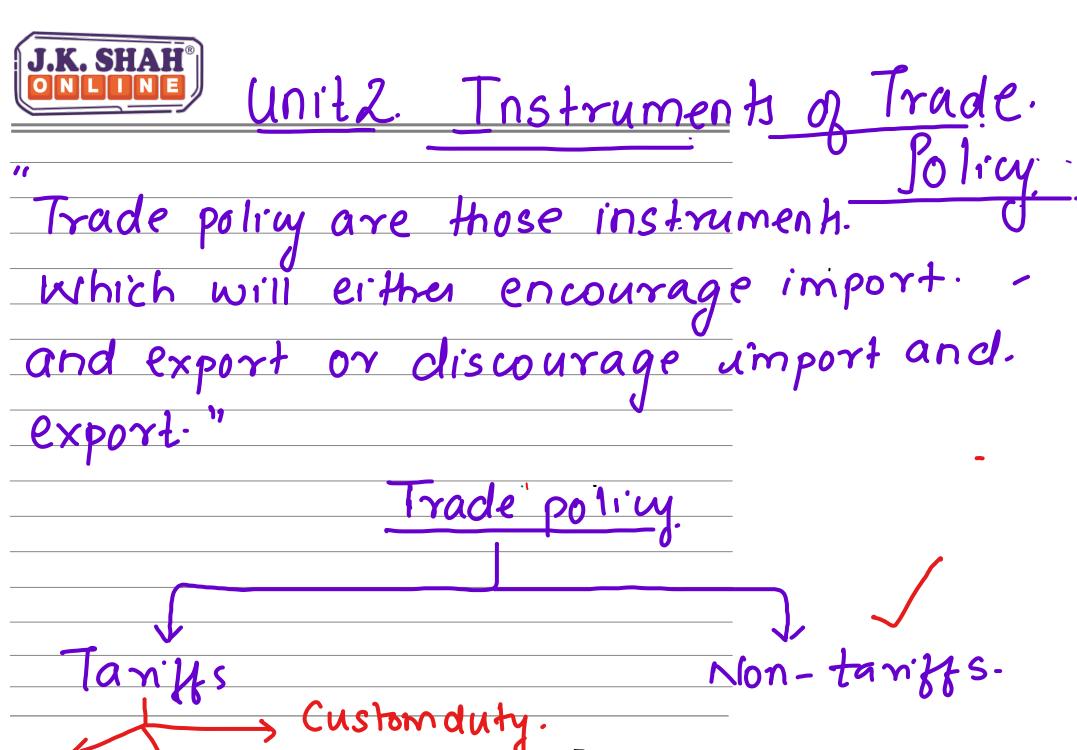












Tax "import duty.



### Types of Taniffs.

1) Specific taniff. It is an import duty that assign a fixed Monetary tax on per Physical unit of the Commodity imported.

Calculated on the Basis of unit per Measure eg: 7 2000 taniff charged on import of each Laptop [per Qty].



2.) Advalorem tanil.
This tamiff is Levied as a Constant percentage of Monetary value of
percentage of Monetary value of
imported goods
eg: MRP07 Laptop 250,000
taniff 10% 1-e 5000  -



5.> Mixed tanill Mixed taniff is Charged either on Value of imported goods or on the basis of per Physical unit Cither Specific tanks or advalorem taniff kuhichever is higher

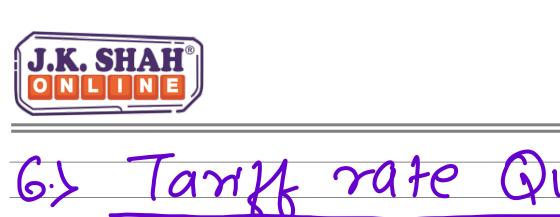


4.) Compound taniff. It is a Combination of advalorem taniff and specific taniff This taniff is Calculated on the basis of both the value of imported goods and unit of measure. Speaific taniff + Advalorem taniff.



5'> Technical tanil. Technical taniff is calculated on the basis of Specific Contents, Components. Sparepart, imported from abroad along with the Main product. but Seperately.

Eg: Rs 3000 - tariff Charged on import of solar panel and 2500 for the battery.



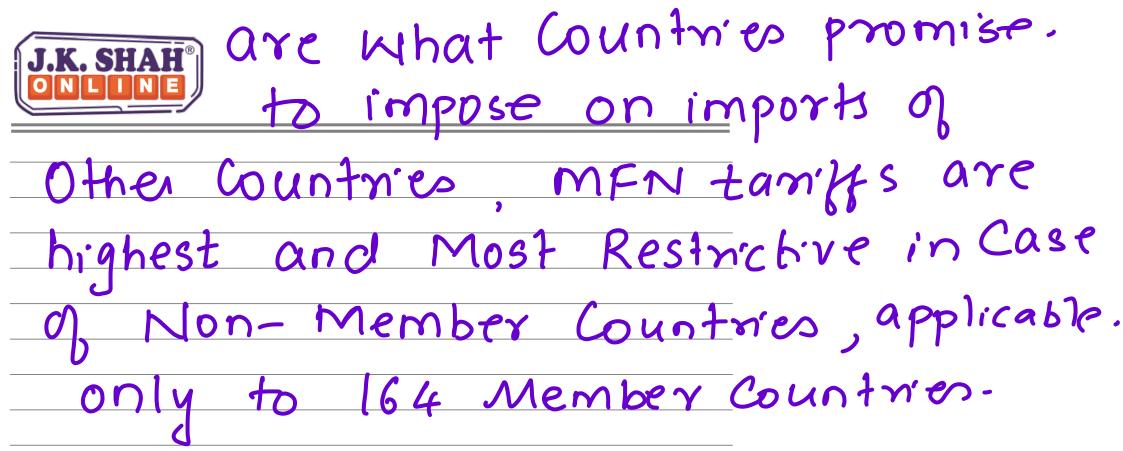
6.) Tany rate Quotas Tariff rate Quotas combine two policy instruments Quotas and tanil import above Quota limit higher taniff mill be Charged. and imports upto Quota limit Lonier taniff will be Charged.



The Price of imported goods at a higher Level in Order to Protect clomestic industries.

8. MFN taniff. Most Favoured Nation
It is a taniff without. taniff.

discrimination., MFN taniffs



9.> Preferential taniff.
Nearly all Countries are part of.
One Preferential trade agreement
Where they Charge Very Low. taniff



on other Countres product. within the Group eg:

SAARC NAFTA etc.

10-5 Bound tank

Bound taniff 15 a taniff which with a members binds itself with a.

Legal Commitment not to Raise it above a Certain Level. They are.
Specific to individual products.
Helps to bring Transperancy



#### among Lountries.

11.) Escalated tanip. It is that taniff where higher tariff is Charged Kihen Country imports manufactured goods and Louier tanily is Charged When Lountry imports R.M.

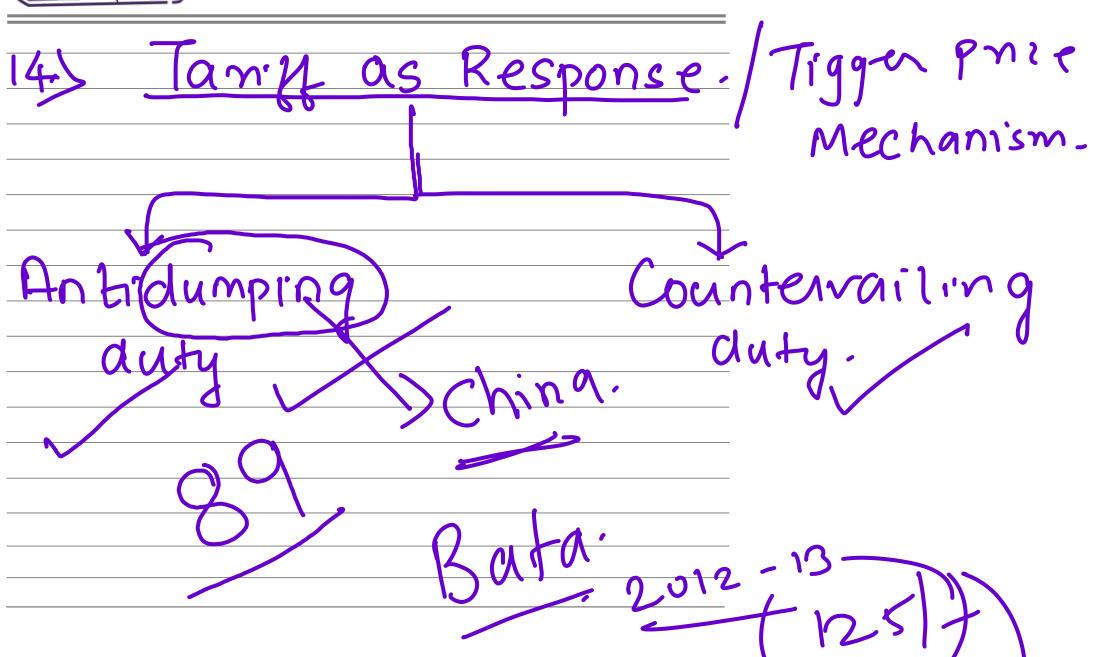


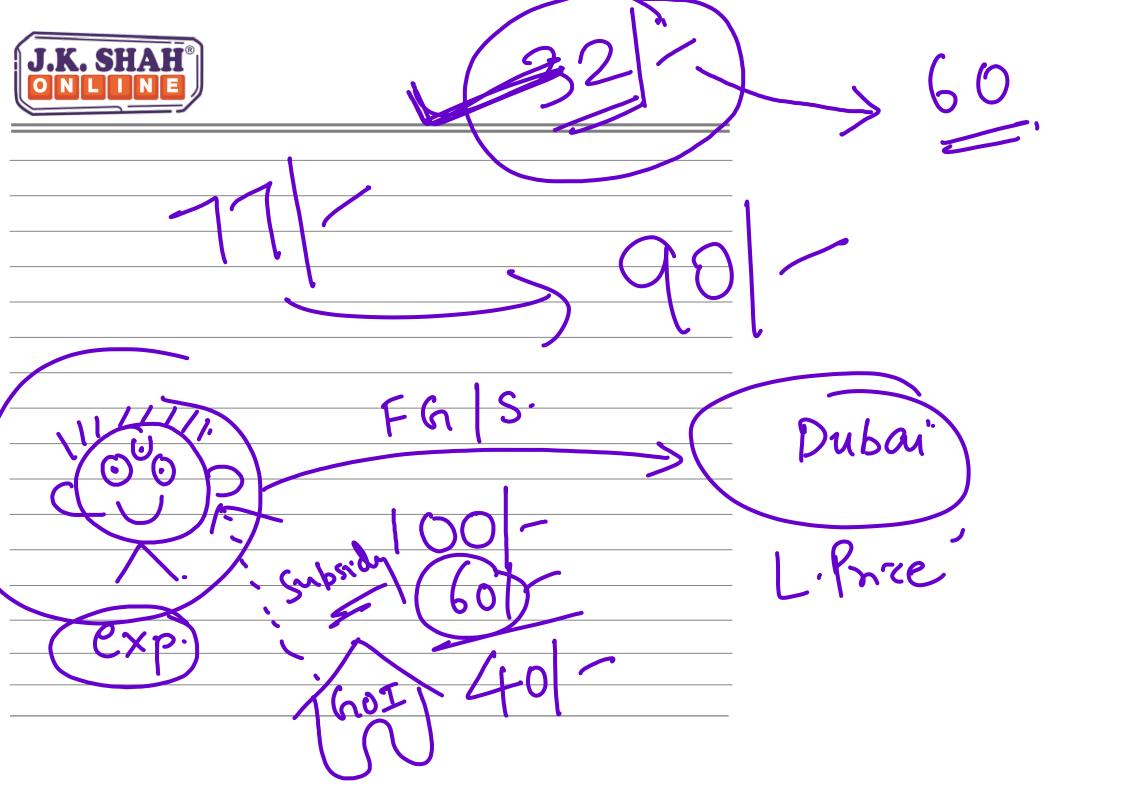
12.) Applied taniff. Applied taniff is a duty Which is actually charged on the imports of Most Favoured Nation. 13.) Prohibitive tanist 736%

A prohibitive tariff is that —
tariff which is set so high that
no imports shall enter



the Country.







Antidumping duty. Dumping occurs when Foreign Country. Sells a product at higher price in its home Market & Same products are Bold at Lower price in Foreign Market. So in Order to protect domestic Market antidumping is charged.



Countavailing cluty. It is a taniff which aims to OFF-Set artifical Low price Charged by exporters Who enjoys export subsidy and tax Concessions offered by Govt in home Market.





### Effects of taniffs

- Taniff Barriers Create Obstacles
  to trade decrease the volume of
  import and export and affect
  international trade.
- 2.> By Making imported goods more
  expensive taniff discourage.

  clomeshic Consumers from Consuming.
  imported foreign goods.



- 3.) Producers in importing Country
  experience an increase in Wellbeing due to tamy.
- 4.5 Taniffincreases Govt revenue of importing Country.
- 5.) Taniff discourage efficient production in Rest of the World



# and encourage inefficient production in Home Country.

Non-taniffs.

Technical Non-technical

measures - measures

- · Sanitary & Phystosanitary.
  - · Technical Barriers to trade.





#### Unit3 Chap4.

	Moridti	rade Organ	risation.
Head Othice	Pn'or	Multi7atera	Jan
Geneva,	it was GATT.	trade.  agreement	1995°
164 Me	embers -	117 are	

developing



MTO accounts For 95% of Morid

Countries.

trade?.

Objectives of M170.

11) Raising the Standard of Living

2.3 Full Employment & increase in.

National income

Optimum utilization of World. Resources.



#### Ngozi - Okonjo - Inveala.

### Structure of MITO.

MTO activities are Supported by
Secretariat headed by Director
General.
Three tier System under W70.
Level 1: Ministerial Conferance.
They are Responsible for decision
Making Related to all Multilateral.
trade agreements.



Level2: General Council.
They are Responsible For trade.
Policy Review and actasa
dispute Settlement Body.
Level 3: Groods Council Service Council.
intellectual Property Council.



# Responsible for l'implementation of all trade agreements

Guiding Principles of W70.

- 1) Trade without discommination.
- 23 National treatment Principle.
- 3.1 Freez trade.
- 4) Predictability.



## J.K. SHAH 5'S Pn'nciple of General Prohibition of Quota.

- 6.2 Greater Competitiveness.
- 7.> Taniff as a Measure to Protect. domestic Market
- 8.3 Transparency in dearsion Making.
- 9.) Progressive Liberalization.
- 10.5 Market access.



11,>	Special Benezits to Less developed,
	Countn'es.
	Protection. of Health, and.
	Envisonment.
13.)	Transparent dispute settlement.



#### Explain M70 Challenges and Concerns.

- On trade is very Slow Members

  act as a Constrain and Creates

  Rigidity in the System.
- 2.) Regional agreements are Complex and Creates uncertainity



3.) Doha development round have, run into problem and.

Success is doubtful.

Developing Countries are facing number of issues in implementing present agreements.



Developing Countries face.

exceptionally high taniff on
Selected goods which affects.

their export eg: Textile.

Developing Countries Feel that
there is Lack of Willingness.

to Provide access among
developed Countries.



Short note GATT.

- · GATT was a Multilateral instrument

  Which governed international

  trade.
- Referred as Provisional agreement. along with IMF & World Bank.
- · GIATT provided rules for



#### international trade for 47 years. (1948-1994).

Types of RTA's [Regional trade agreements]
1.) Unilateral. trade agreements.
2.> Bilateral agreements.
3.) Regional Preferential trade agreement.



5'> Free trade area.

6.) Customs union.

7.5 Economic and Monetary Union.

Doha Round

* Officially Launched at M170's 4th Ministerial Conference in Doha. Nov 2001.



- Minth MITO round. Since the 2nd World War.
- * Formally known as Doha development
- A Aims to accomplish Lower trade.

  barriers and revised trade rules.
- Most Controversial topic is yet to Conclude Doha Agenda has



#### been Agriculture trade.



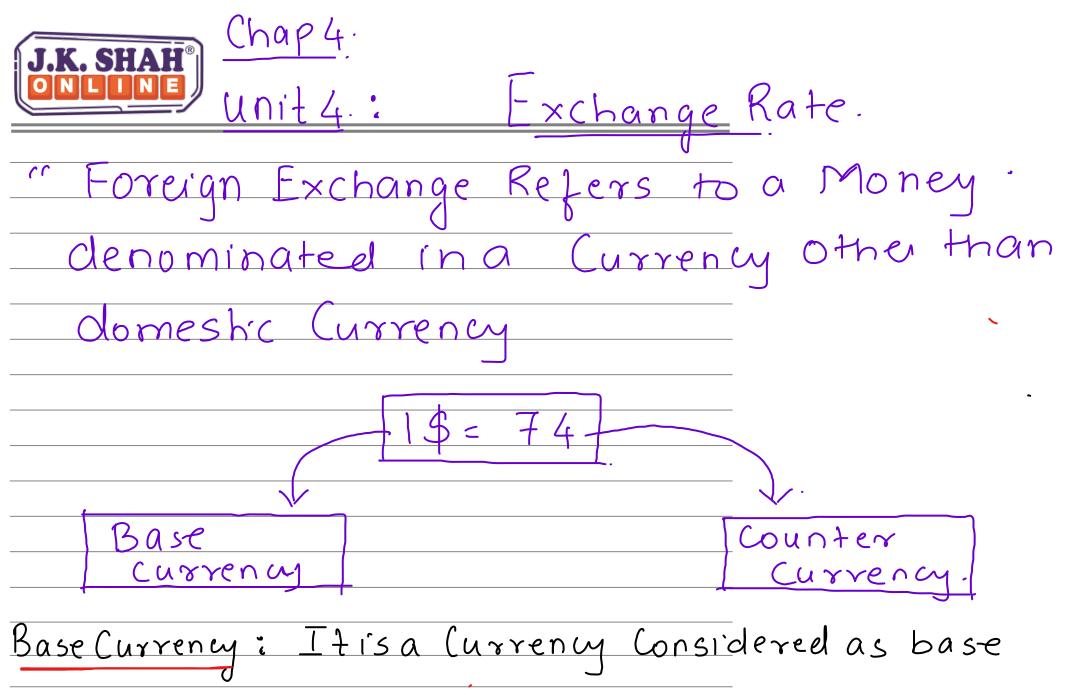










While Quoting exchange Rate. CounterCurreny: Itisa Currency used as



the referance or Sewond Currency

J.K. SHAH ONLINE Nominal Cx (	change rate.
Direct.	Indirect
Quote	<u>Q</u> uote,
<u>Luxopean</u>	Amenican  Guntanian
Currency Quotation.	Currency Quotation
1\$=66.	18upee = 0.015\$.



CROSS Rates.

The Cross rate refers to exchange Rate between two Currencies, each of Which has a exchange rate Quoted.

against a Common Currency.

Paix 1 Paix 2.

When we

X, Y X, Z Calculate For

y 4 Z.



USD/JPY USD/AUD.

When JPY AUD is calculated.

Foreign exchange Market-

1) It is Market Where Currency trade.

takes place

2. Itis an Organisational and.



## institutional Setting Which Facilitates buying and

Selling of Currencies-

3.) It Operates Movid wide and by Far one of the Largest Market. in the World.

4.) It is Over the Counter Market.

Decentralised Market having no

Physical Place.



5.) It operates Round the Clock due to different time Zones.

6.3 Partiupants in Foreign exchange Market

Central Bank, Commercial bank, NBFC,

MNC's AMC, Insurance Company,

Foreign exchange dealers,

Speculators, households, Arbitragures.



Functions of Foreign exchange Market. 1.) Transfer of Purchasing Powler Credit Function. 2. Hedging.



Fixed exchange Rate.

07

Pegged exchange Rate.

Flexible exchange Rate

Floating exchange Rate.

Soft.

Hard Peg.



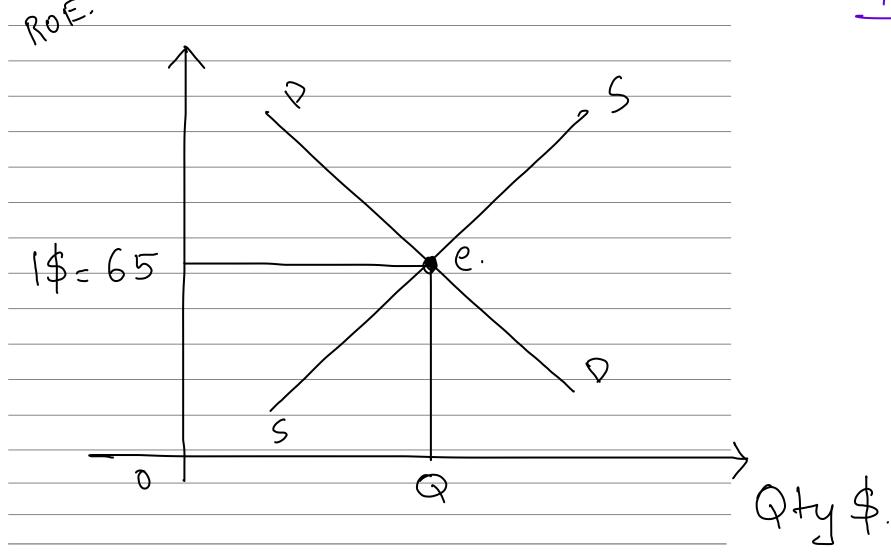
### Determination of Nominal

exchange Rate.

Demand For \$ Supply of S. Export of goods. Imports of goods Export of Services. Import of Services Unilateral Receipts. Unilateral payments Tovestment FDI/FPI. abmad.

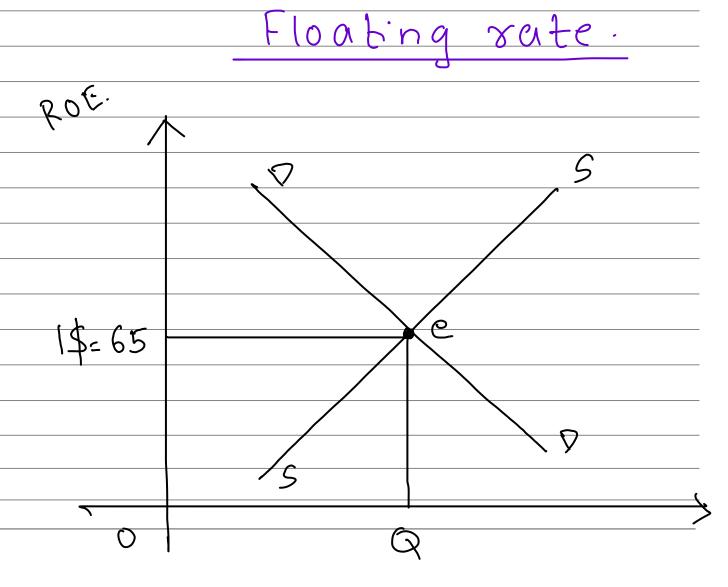


#### Equilibrium Level of Exchange Rate.





Depreciation of home Currency under.

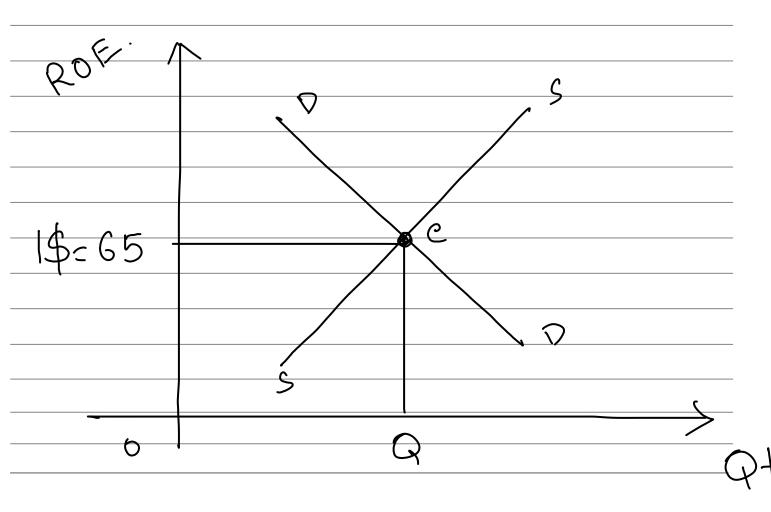


Demand For \$ 1 Supply Constant

Qty\$.







Supply of \$ 1 demand constant



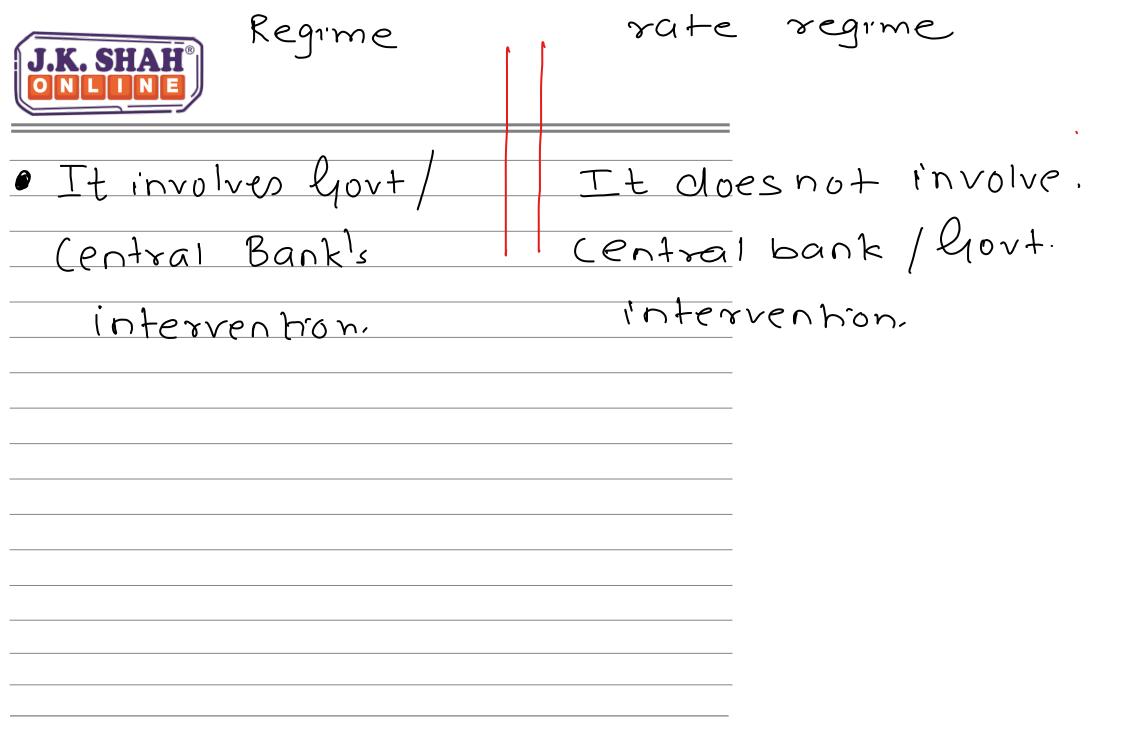
Devaluation: The deliberate downward.

rate reduces the Currency's Value.



Revaluation: It is an upward	Change
in the Currency Value.	

Devaluation (Revaluation)	Depreciation (Appreciation).
· Deliberate doninward	It is decrease (increase)
(upmard) adjustment	in Currency's value
in the value of Currency	due to Market Forces.
• It is Followed under	It takes place
Fixed exchange rate	Under Flexible exchange





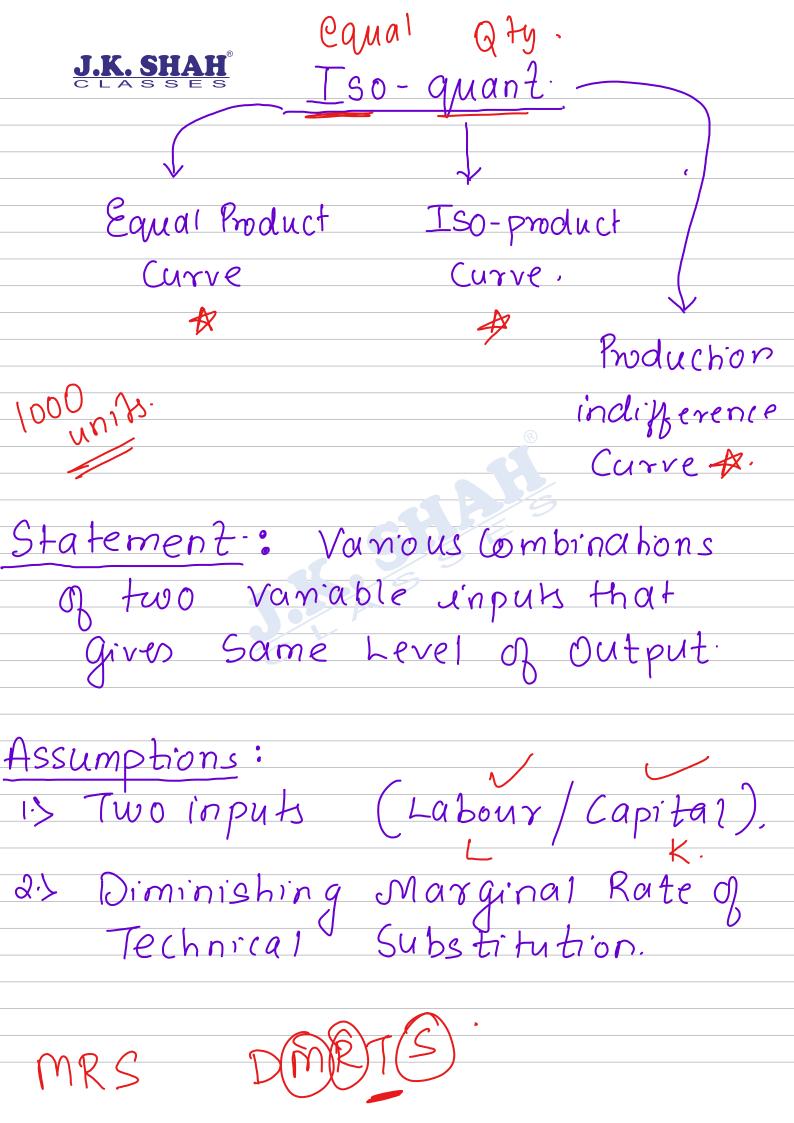




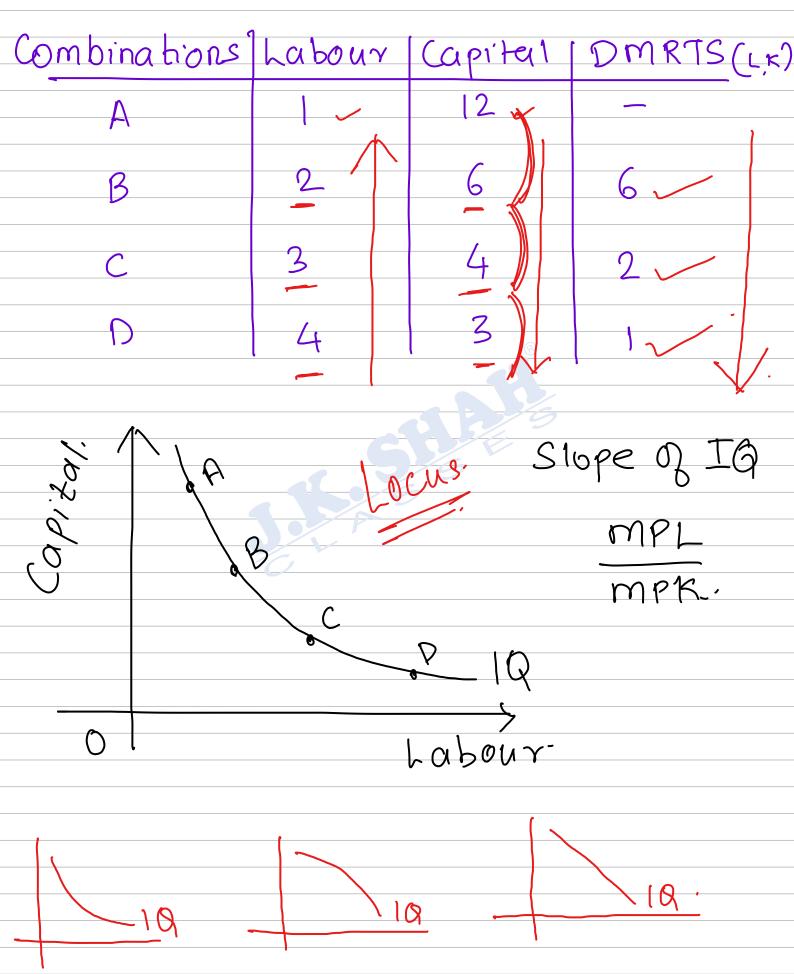






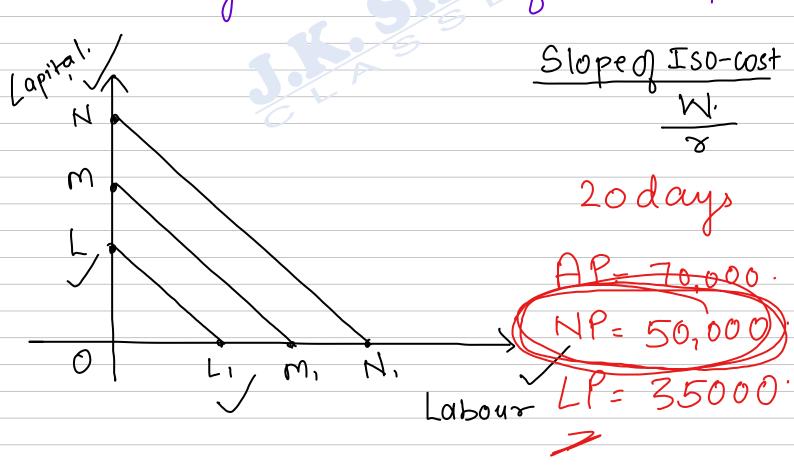



#### J.K. SHAH



#### J.K. SHAH®

# Tso-Cost line or Equal Cost line. Prize line / Outlay line / Factor Prize line] "Various Combinations of two inputs Which the Firm can purchase with a given Outlay (i-e budget) and at given Prices of two inputs.



J.K. SHAH

Produceis Equilibrium.

07

Product Ophimization.

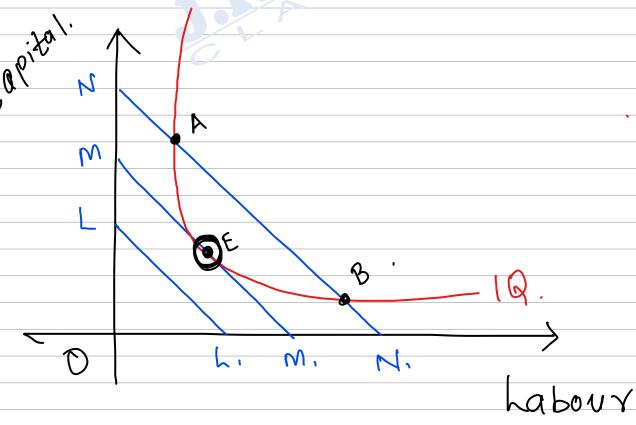
0 1

Least Cost Combination.

07

Cost Minimization

Iso-quant Iso-cost lines.



## J.K. SHAH[®] Unit 5 International Capital Movements

94-9

FD1 [Foreign direct unvestment]

i) Investment 10% & above.

ii) Long term investments.

iii) Employment generation.

ivs Technology transper

v.> Creation of Physical assets

VIS Difficult to Withdraw.

vii) (No Speculation

viii) Management Voice.

Components of FDI

1) Equity Capital

2.> Reinvested earnings

35 Direct Capital

# J.K. SHAH[®] Categories of FDI

- 1) Horizontal FD1
- 25 Vertical FDI
- 3> Conglomerate.
- 4.) Green field FDI
- 5.> Brown field FDI.

### Reasons for FD1

- 1) Expectation of higher Returns than home country.
- 2.> Internationalization of Production and Investment by MNC's
- 3.) To hold direct Control of Knowledge regarding Production and Complete Control over trade Patents.
- 4.) Desire to acquire Promising Foreign
  Firm so as to avoid Future

## Competition.

### J.K. SHAH

- 5.) Risk diversification So that economic downturns will have Reduced impact.
- in the host Country. india.
- 7.) Lonier Environmental Standards and Stable Political Environment.
- 8.) Overall Favourable investment Climate & better infrastructure.

### Menits of FDI

- 1) Stimulates Competition and Creates Competitive environmental resulting into Lower Cost.
- 2.5 FDI brings in Foreign Capital., technology, Management and

# J.K. SHAH® Markebing Skills.

- 3.) FDI helps to generate Direct employment Opportunities
- 4.) FDI is likely to result in Relatively higher Wages For Skilled Labour.
- 5) Favourable impact on BOP. (f)
  and better international EAII
  relations.

### Dements.

- techniques Which Mill impact
  our Labour Market
- 2.) FDI will Lead to Regional income.

  disparity and incomplete in equality

#### J.K. SHAH®

- 3.) Exploitation of Natural resources and environmental degradation
- 4) Adverse impact on domestic Firms due to unethical and anti-Competitive Pratices.
- 5.) Misuse of excessive Political
  Powier by Few Big MINC's
  Which may Lead to Loss of
  tax Revenue to the host
  County.

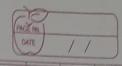
# FPI)

- -> Investment 10% and below.
- -> Transjer of Funds
- -> No impact on Employment
- -> No technology transje.

## J.K. SHAH -> Short term nature

- -> Speculative in nature
- -> Easy to Mithdraw
- -> No Management Voice,

## chijo Indian Economy.



Status of Indian Economy Pre Independence.

India has believed to have largest Economy of the Anxient world controlling between 1/3rd and 1/4th of worlds wealth

British ruled from 1757 to 1947 (Rule of East India

3) In British Era collapse of manufacturing sector feet heavily on Agriculture problems the overcround ing of forms (disquised unemployment) subdivision fragmentation of farms and lower income and poverty.

4) Hindu growth rate i.e lower rate of Economic Growth of India from 1950 to 1980 was around

3) Nehruvian Model Planning Commission of India was established, 5 year plans were developed, rapid industrialization was a central theme of development Strategy.

6) MRTP Act (Monopolies & Restrictive Trade Practices 1969 - (Restrictions on Expansion)

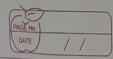
i) To ensure that oppressions of Economic System t doesn't result into concentration of Economic Power In the hands of few.

i) To provide fair greater control of Monopoly.

Teacher's Signature:...

major Roma Green Revolution Gunner (C) 1) Innovative Form Technology 2) High Yield variety seeds. 3) Intensive use of water Fertilizers and Pesticides British Govt in India: 1858 - 1947 4) At the end of 19th Century, India's Jute, Mill industry was the largest in the world. 5) Just before Great Depression, India was ronked as the 12th largest Industrialized Country Indian Economy : Post Independence. 1) Major reforms in 1918 including delicensing of 25 Industries providing broad bending facility and increase MRTP limit from 20 crosse to 100 crosse -00-2) 1988 SEBI was established and became Statutory Body in 1992 3) Inmoduction of MODVAT (Modified Value Added Tax) 4) Reasons for Launching Economic Reforms. i) Extremely large Fiscal deficit ii) Huge internal L'external debt iii) Extremely high Interest payment iv) All time law Foreign Exchange Reserves V) Collapse of Soviet Union vi) Tough conditions put by IMF because of all this New Industrial Policy was annound

Teacher's Signature:...



Private Sector Banks opening of Reduction in CRR. L SLR Cas per Norsinha Committee 47. 18:50%. RBI Every Bank Report) CRR is given once in every a fortnight Deregulating Interest rates Ly Every bank is allowed to charge interest rate as per their will -> RBI will only give and lower limits. As per the New Industrial Policy only 5 Industries are under compulsory licensing 1. Arms & Amunations 2. Atomic Energy 3. Norrotics and Drugs / Hazardous Chemicals. 4. Alcoholic Drinks 5. Cigarettes & Cigars a) Post 1991 rupee was devalued by 18% against dollar 10) On 1st Jan 2015 Apex Policy making body Planning Commission was replaced by NITT Agyog 11) APEBA (Appriculture Processed Food Export Development Authority) -> Responsible for Export of Agricultural Products. 12) PMFBY (Pradhan Montri Fasal Beema Yojana) 13) PKVY (Parampara Got Krishi Vikox Vojana) 14) Sale of Portion of Government Share Holding of Public Sector is called as disinvestment. 15 Institutional reforms such as Land Reforms, was Conducted in India before Green Revolution.

Role of Market V/s State (Prvt & Grovt) was
discussed in New Economic Policy 1991 17) Industrial Policy 1948 Licensing to Expanded Role of Private Sector. Public Sector 18) FIPB (Foreign Investment Promotion Board) does not exist anymore and got replaced by Foreign Investment facilitation Portel 19) FAME INDIA SCHEME promotion of monufacturing of electric and hybrid vehicles 20) Ease of doing business India ranks 63rd 21) Merchandise Export from India Scheme got replaced by remission of duties and taxes on Export products in 2021' 22) First wave of liberalization storted in India 23) EMAM -> Setting up PAN INDIA Electronic Trading Portel for APMC (Agriculture Produce Market Company) -> KISANI RAIL to provide logistic -> National Agriculture Product for Agriculture Commodity 24) Indirect Tax for entire country was introduced in 2017 (GST) 25) Service Sector is the largest sector of India and accounts for 53891. of total GIVA -> GIDP 266 DPIIT (Deportment for Promotion of Industry and Internal Trade 27) 100%. FOI in marketing of Food Products & E-commen

GIVA -) Gross value Added 100% Foreign Participation permitted in telecommunication service. India's Service Exports (Software, Rusiness and Travel Service) 27 billion dollars - Nov'22 30 Industrial Sector contributes 30% to GVA Post 2015: Reforms.

Reduction in Corporate Tax 2 Make In India 3 Vocal for Local Ease of Doing Business

National Single Window System

PM GATI SHAKTI PLAN (Transport related)

PLI (Production Linked Incentives) a) Industrial Corridoor Programme gy FAME INDIA (Electric Vehicles) DE UDYMI BARAT 11) Start Up India 12) Emergency Credit Line Scheme 13) Programme for Public Programmen!
14) Foodgrain Production has reached 315.7 million tons in 2021-22 Teacher's Signature:.....

#### "UNCLE GANG"

1.	Science of wealth	Adam Smith
2.	Science which deals with Wealth of Nations	Adam Smith
3.	Science which deals with Wealth	J.B. Say
4.	Welfare definition / Study of Mankind	<u>Marshall</u>
5.	Growth definition	<u>Samuelson</u>
6.	Queen of Social Science	<u>Samuelson</u>
7.	Cobweb theory	Nikolas Kaldor
8.	Effective demand	J.M. Keynes
9.	Innovation	<u>Schumpter</u>
10.	Money Supply / Monetary phenomenon	<u>Hawtrey</u>
11.	Optimism / Pessimism	AC Pigou
12.	Strive for Profit	H.A. Simon
13.	Sales maximization	<u>Baumol</u>
14.	Management is separate from Ownership	Berle & Means
15.	Business Economics	Joel dean
16.	Delphi Method	Olaf Helmer
17.	Income effect & substitution effect	Hicks and Allen
18.	Risk & Uncertainty	F.H. Knight
19.	Profit Maximization	<u>Williamson</u>
20.	Positive science	Robbins
21.	Normative science	Alfred Marshall
22.	Functional goal production, Inventory sales, Market	Cyert & March
23.	Socialist economy	Karl Marx & Fredric engels
20.	Oction by	Tall mark a litearie crigers

Leading indicators	Lagging indicators	Coincidental indicators	
Stock price	Unemployment rate	• GDP	
Profit margin	Corporate profits	<ul> <li>Inflation</li> </ul>	
Manufacturing activity	Interest rates	<ul> <li>Industrial production</li> </ul>	
<ul> <li>New order for Plant &amp; Equipment</li> </ul>	Commercial Lending activity	Personal income	
<ul> <li>Slower deliveries</li> </ul>		<ul> <li>retail sales</li> </ul>	
Residential investment		<ul> <li>Financial Markets trends</li> </ul>	

- Economics is what economist do and every individual is an economist – Jacob Viner
- 2. Labour 3/4th contri, Capital-1/4th contri linear homogenous function Cobb Douglas.
- 3. Conspicious goods/ prestige goods -

#### Thorstein Veblen

- 4. Aim is to create and retain customer- Peter Drucker
- Politics to policy relationship, feedback or black box model- David Easton
- 6. Theory of Marginal Productivity- J.B Clark
- 7. Study of Population Malthus
- 8. Monopolies are sacrifices of the many to the few James Madison
- 9. Concept of Pure Monopoly- E.H Chamberlien
- 10. Management goal of stability and growth-

#### **R.L Marris**

- 11. Group Behaviour, Difference of Opinion on selling cost, and production cost Chamberlien
- 12. Production is the organised activity of transforming resource into finished goods and services and objective of production is to satisfy the demand of such transformed resources-

James Bates and J.R. Parteinson