18/12/19 Business: Business is defined as an organisation or enterprise, which engaged in Comercial, industrial and professional activities. Structure of business firm: A business can select a structure , based on the size of the business and availability of the capital. Types of structures:-1. sole propriator ship: - A business won't and manage, and control by a single individual is known as sole propriator ship. * It is a small business and capital is from single person and quick decision making is a advantage bor sole Propriateor ship. 2 partner ship! - partner ship is a form of business, in which two or more than 2 people ownes a business, based on return/written Contact or oral agreement. features of partnership. 1. More Capital : Not stoom morniment to prost 2. Collective decision. SHOODEL GOTTOE INSINON SINGE 3. Sharging of risk. 4. facility of loan allocation. 3. Fran chaise: - Write to use a business model and a brand for a specific speriod of times not proposed that As a expansion stategy of a palent Company, new an Anthapreneurs Can get the reputency of branding, en: mcd, KFC, too Loreal

banchan group of inst in a Codamics.

4. Corporation: - A Corporation is a legal entity, that is separate medical offer to and distinct in nature 8.8-357 - Labour It is a Company / group of people autorized to act as a single group under law with the partial involvment of government. en. GHMC, LIC, FCI (food Corporation of india). 5. Co-operative: The A co-operative organization is a entity which works under a society! trust with the aim of social responsibility Cni Apco "Handloom clothing business". 2. Theory of firm: - A firm is a organization, which transforms the hided inputs into outputs for Sale. Two types of input are used by the organization. That is human resource and Capitale as sessioned to made as que sombres * Based on these two elements, sic scientist tranned 3 theorie 1. profite manimization theory. 2. Theory of sales revenue manime 3 attan. 3. Theory of manimum growth rate. Collective decision 1. Protit manimization theory:sharding of sisk. * Major objective is generatic larger amount of profit. * In this theory, efficiency of a organization meaning in terms of profit generation capacity, being 2. Theory of sales revenue manimization de In this theory, sales percentage determine the market · 201 mobodo ni tani pleadershipi

x Salary and other benefits of employees, linked with Sales Percentage, wather than profit.

. Theory of manimum growth rate:

In this theory owners aims at, market shall and enpansion of the business in several areas.

Types of Business entitles:Their all 4-types of business entitles

- i service oriented business.
- 2. Merchandising business.
- 3. Manufacturing ändustries.
- 4. Hybrid business.
- 1. B Service oriented business: It is a Commercial enterprise, that provides, work performed in an enpert manner, by individual or team for the benefit of the Customers.
- The types of services include Consulting, education, insurant transportation etc.
- 2. Merchandising business: Merchandising is one of the most Common type of business, we interact with daily. It is a business, that pearchases, binished products, and resells them to the Consumers and they make profit by Selling the product of higher prices then their purchase Gost.
- 3. Manufracturing industries: A place where, primary goods are Converted into binished products using machines, are called manufacture and dustries. On Cloth industries, Automobile, food industries ett. (A) to

Hybrid business: These are the Companies that may classified in more than one type of business, that is Consulting, manufacting, 24/12/19 etc. Limited liability Companies. Si private 149 1. It is the business structure, where the owners are liable only to the amongt, they have invested 2. There are two type of limitted Companies held in india. 1. Public Ltd Company 2. private 1td company. Public Ltd Company: - In public limitted Company large no of individuals Contribute the capital in different forms. * Elements of public 1td Company: 1. No of people to be involved, is above 50. Shake Coorking apity 2. They Can subscribes the shares to the public. tot no offer 3 Their is no restriction on transfer of shares. 4. The Statement of inlee of prop prosperity is typical liberal in public limitted organizations.

Private 1+9 organizations:

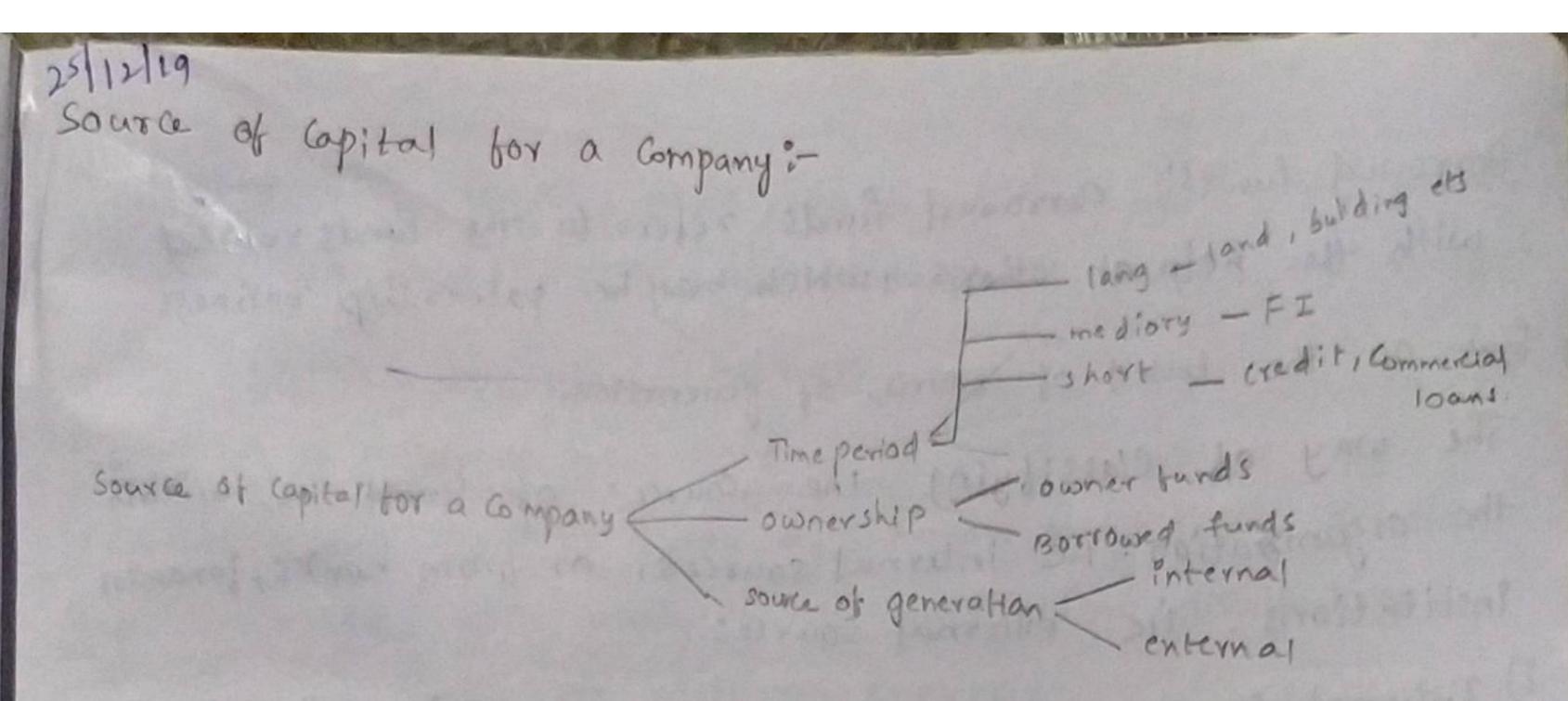
In this company, less no. ob individuals provides equivity and minimum capital is one lakh.

* Elements of private timitted:

1. No of people are below 50.

- 2. They can't subs offers shares to the public.
- 3. Their is restriction on transfer of shake believed
- 9. Intee 66 prosperity Strit is tough to deal .

· 13 intrubal



Business simply cannot function, without money and making of money is known as business funds, and their are classified based on, time, ownership, and sources of generation.

On the based of time Period:

- i) long term: long term sources, ful fill the fanancial requirements of a business for a period of morethan 5 yrs. It includes investing on lands, building etc...
- ii) mediam termo- These are the sources, where the funds are required for a period of more than 1yr, but less than 5yrs. It includes loans from financial institutions and Commercial banks.
- 311) Short term? Funds which are required, for a period not exceeding lyr. can be called as short term sources. It includes gold loans, Credit card services and loans from Commercial prapers etc.

on the based of Owner ship; The sources can be classified into Owners fund and Borrowed
funds.

a owner of a business, which may be soul proprietership.

the amount in time they might been hely priorie

Borrowed funds: Borrowed funds refers to the tunds raised with the help of others which may be patrership basiness with the help of others which may be patrership basiness. But on the based of source of generation:

The way of classifying the sources of funds are, within the way of classifying the sources of funds are, within the organization. i.e. internal sources, or from banks, fanancia,

institutions. The enternal sources.

Internal sourcesir Funds those are generated inside the business can be called as internal source of finance.

Can be called as internal source of finance.

For en:- profit of another branch, wing, business unit etc.

ii) Enternal Sources: Their are Sources, from outside of the organizating Such as, borrowing money from Suppliers, and investors and banks and fanancial institutions, rete.

Non-Conventional sources of finance:

Sources which are different from traditional sources are Considered as non-conventional sources. This may include

1. Title loans out envisabilitaire la parail mon envol estables

2. Get an advance:

- 1. Title loans: It you paid of your products like Car, gold, land to get the money against its value can be called as title loans.
- 2. Get an advance: Many credit cards offer cash withdraw so we can take the advantage of Gredit limit to raise the investment for the business but Constoner unable to pay the amount in time they might bear hefty price in the form of interest.

(i) Family and friends, peers, patners, neighbours, all provate banks also comes under non conventional sources to raise the tinance for the business.

Defination of Economicsi-Economics is a sty. study of human and social relation ship concerned with analysis of production, distribution, Consumption of goods as well as services.

Significance of economicsi-1. Economics is the science that deals with production enchange. Consuption of various products.

- 2. It shows how to handle with available resources to increase wealth (income) and human welfare.
- 3. It also focus on scarcity of resources and choices among their alternative user
- 4. The word economics was derived from two greeks words (Biros) Oiros (A house) & memein (to manage) which would mean managing a house hold using limited tunds available in the most statisfactory manner.

rapid by the special the salar all of the stable

and made in the graphical boundaries of a diam's hours

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997 Jany 10 100 109 100

unit of Economic system.

In other words, a small part of economy but not the whole for economy of individuals, how, holds, small organization and also prices and wages and budget of small entities.

Macro economics: - Macro economics is the study of large part of economy 1-that is whole economy. economy.

In Comes but also with the national income and national transctions and national outcom output.

Concepts and importance of national income:

The total market value of all goods and services produced by a Country with the Combination of gdp and Nop and GNP and Nop and GNP and also personal income of each and every employee can be called as national imcome.

Concepts of national income?

1. GDP: It is the money value, all final goods, and services Produced with in the geographical boundaries of a Guntry in a given period of time. GDP

GDP = Consumer spending + business inverse ment + government Spending + any other income to the nation

Gross damatic product.

Lop: - National/domestic product NOP = GOP-depresiation (reduction in value). 1. Nop is the concept of national income. 2. NOP is the measure of gross domestic product and difference in the value of depreciation with the cores of production. GNP:- GNP is the sum of GDP and Net bactor income from abroad. (Gross national problect) GNP = GPP + NFIA / NNP:- Net National product. is the difference blw GNP and depreciation on boreign products and products of indians whose settle in NNP = GNP-depreciation Personal income? - moitoland to say to a moitalani di min Total income received by the individuals of a nation from the all the sources of income. -) It includes wages, salaries and rents and interest seceive by the individuals. nows forter then the need, it will decuses including 4/1/2020 We Inflation: to which compare stop out it proper sit priples Inflation is a measure, at which, the average pria levels, of a goods and services in an elonomy, increasing or decreasing the star line tak our take the over a period of time. winded to the state or bossed on bassed on or sales forchors of that area.

- Causes of intelation:
 - 1. Demand-pull inflation: when demand for goods and services
 Is greater than supply. It can be called as demand pull
 Inbliation.
- 2. In this Intlation, price of the products will be increased, based on demand of a product.
- 3. It axises, due to, Various factors, like heavy income, quality of the board, need of the product etc...
- 2. Cost-push inflation:
- 1. This intelation caused by, increase the price of inputs like labour, raw material, transportation etc...
- 2. The increased price of factor of production, may leads to raise in overall price of the product.

 Built in inflation:
- 1. Built in fraite inflation is a type of inflation, that results from pass experience and passists in the present.

Money supply in inflation:-

- 1. In normal economic Circumstance/situations, it money supply grows baster, then the need, it will couses inflation.
- 2. Supplying the money is the sole responsibility of RBI, and RBI prints the Currency and supplyies it to the economy.
- 3. Supply of money decides, the rate of infration in the economy, and RBI will take the decision, regarding found release to the state or country, based on economical bactors of that area.

Business eycle:

- 1. It shows the periodic continous up and down moments In economic activities.
- 2. Business cycle includes four stages ine,
 - rexpansion
 - -> Peak
- Recession
- with additional stages of instroduction and recovery.

phase there is an increase in Expansion: - In enpansion various economic factors. such as production, employment, outputs, wages, probits, demand and also supply of the Products to enpand the business in several accepts.

Peakir In peak, phase the economic bactors such as Production and probit and sales are higher and business will lead the marked in specified sector and it acheives manimum profits in their business.

Recessioni

In recession phase all business factors such as production Prices, savings and also invest Iment starts decreasing. Il Broducers are not aware of decreasing in the demand and they continue to produce goods and services they may leads to losses.

Tough: In this stage the growth rate of business becomes negative. It is disticult to handle the debts as a result banks and financial Postitution donot prefer to sanction money and finally demands for the Products will be collapsed.

Introduction:

This is the first stage in the product like cycle where a company tries to built awareness about the product or service.

Recoveryo-

In Recovery stage entriprenurs will try to get back to the market position and bankers start sanctioning the loan and management start highering the people and also investing but in limited quantity.

18/1/2020:-

Features of business cycle:-

- 1. Occurs periodically: As we discuss, this phase occurs, time to time with dibberent situations however, they do not occur in specific times. The time periods of dibberent phases, in business cycle will vary according to the industries and economic Conditions
- 2. They are syanchronic: Another feature of business cycle is Synchronic, that means, business cycles are not limitted to one organization or one inclustry, they effects an entire economy and pervasive (spread) in hature.

3. complex phenomenon:

Business cycles are very dynamic [adaptive] in nature, and they donot have any uniformity, so, it is impossible to Predict or prepare, for the business cycle.

4. International in character:

Business cycles donot & limit, them selves to one Country or one economy, once they started in one country, they will spread to other countries of economy through, trade transactions.

Cimport & enport blu two or more countries).

plinature & scope of Business Economics:

Nature of business economics:

Business economics is the integration (Combination) of economic theories, with business practises.

Nature ob business economicsi-

1. Micro and macro in nature:

Business economics is micro economics in nature, because it deals with, a particular person, business, bamily, etc...

Jusiness economics is also nearer to, macro economics, because it deals with national income, budget, business cycle etc...

2. Use of economic theories:

Business economics uses, all economic theories, relating to.
Probits, and income etc..., in the process of decision making.

3. Realistic one:-

It is a realistic science, it studies, all situations concerning with business organisations, as well as society by Considering real Conditions in the market.

4. Normative statements:

frommative from a fire statements:

from a fire statements:

and objectives of the economy, and determines, the standard methods

box achieving the objectives.

2. Business economist is the 3. probit analysis: manubacturing, mining, IT Role of business economistic - Lautily, Daba 4. Capital management" Economist plays an important Suitable cost, box a product based on quality, quantity, escape, from the losses, reputancy of the organ the quantity demanded by the can take right decision o analysis and policies. Capital management, a another Profits. so Be deals with and at the same time it 8. e deals with, analysis of cost for a product, it decides, e Conomics, Cost Analysis: right decision bore casting is B. E analysers, the demand for a product and bonecast. 'Kautily', Daba bai Morroji practioner, ofor managenial activities , uncertainity and risk in getting so that, an the prenures , so that ob production. tigard puro stigard organisation. ean the prenuxes

- Companies employer, bear business economist, to guide them in making appropriate economic decisions.
- lole:
- To bring reasonable profits to the Company.
 To study enternal and internal factors inbluencing the business.
- To make, accurate borecast.
- . To maintain contact with government and also other individual organization.
- To monitor business performance.
- Multidisciplinary nature of reconomics:
- Business economics 9s the multi-disciplinary in nature means, 9t linked with different subjects.
- 2. Tools like Algebra, logorithms, se derived from mathematics and bore casting is the concept of statistic.
- Production planning is the Concept of operational reasearch and technical Concepts are from Computer science and analysation of management is adapted from Sycology as well as organizational behaviour

Demand And supply Analysis Elasticity ob demand: Debination of elasticity: In economics, elasticity is the measurement of the proportional Change ob an economic element, i.e, product, service, or consulting 133 States of 188 portores 13 Demand is defined as, the consumers design and willingness Defination of demand: to pay the poice bor particular product or service. In particular time. The rate ob responsive ness, in the demand ob a Commodity (product or service) bor a given change in price or any other determinents of demand. Types of Hasticity: There are four types in elasticity of demand. 1. Price elasticity of demand: Price elasticity of demand is an economic measure, it generally, repers to quantity demanded, of a Commodity changes in response to change in the price. Edp = 82- 9/01 3 P2-19/P100 +1200 = 14 10 11 1 elasticity of demanditor elasticity of demand referes to, the quantity demanded of a product or service in response to a given change in Income levels 06 the Ostumers.

3. Cross elasticity of demandi-

Cross elasticity of demand refers to , the quantity demander change in the price of of a Commodity, in response to a

a related product. or service.

$$fdc = Q_2 - Q_1 | Q_1$$

$$= \frac{1}{(2 - C_1 | C_1)}$$

4. Advertisment elasticity ob demand:

It refers to increasing in the sales revenue, because ob Change in the , advertising concept. This is direct relationship blw, amount ob money spend on advertisement and its impact on

sales.

$$\frac{\int \mathcal{E} dA = \mathcal{O}_2 - \mathcal{O}_1 |\mathcal{O}_1|}{A_2 - A_1 |A_1|}$$

demonded of a product or sterrice in response to a given

change in Encome tracks of the costumens.

It haw of demand stay states that, when other things like quality, quantity, environmentaly conditions, etc Demains the Same and amount of quantity demanded raises with every - ball in the price and vice versa. -> The law ob demand states the relationship blw price and demand In (rease in dumand!-1. If the Consumers are willing to buy, more products of a particular brand at the same price the result will be increase in demand it shows that buyer is Statistied and ready to purchase more quantity bor saving/same price with the constant price levels, of a product, the demand is here on increasing or decressor; decrange of servery prepar

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Decrease Indemandő Decrease in demand occurs, when buiers are purchase less no ob Product at the same price level, because ob different factors like environment, health consciousness etc. which does not comes under business bactors. is the solid sale of V in demand Enception to demand: haw does not, hold the goods, in bollowing cases, (It does not effect price of the product) 1. Gibben goods. Dogg 1 with 1 in Pi falls when price fally 2. The products belongs to 9 borma pharma Cutical 3. In the case of distinguish products or unique product lite Iphone, estamberg to Highway arom paid phitamong 2231 month 21 transmissions it shows that buyer is statistized ant - te-4- to grade inone Eurontity for saving some poice !! Measurment of elasticity of demandisdemand:with the constant price levels, of a product, the demand is keep on increasing or decreasing because of several factors

Q2

4. Relatively inelastic demandi-The demand is said to be relatively inelastic, when the Considerable price changes leads to little or no change in the quantity demanded. -> In this case, change in demand is less than change in the price. Par - the many sittables plans plans plans when several of a product them by the sound to be product the sound to be product the sound to be product to the Inelastic demand. 5. anity elasticity; a god of god of the state of the sta The elasticity in demand is said to be unity, when the change In the demand is equals to change in the price. The demand is set top be 20 clastic. when small 28/1/2020

V Significance of elasticity of demand and elasticity of demand in making of bromes set of sprais sons of demand is a very important Concepts in entire, business transctions. 2. The major role of the elasticity of demand is decision

- have, bive important activities in business, which Can be analysed through the concept ob elasticity of demands
- 1. Production Quantity:-

It is useful to decide, the no. ob products, to be produced in a single binancial year, based on demand fluxtuation.

2. price fixation:

To decide the, different levels of prices bor a product, demand any analysation plays a vital role.

- -) Improper decision in the Categorie ob price fination, may leads the organisation to loses.
- 3. Product distribution:-
- 1. Enpansion of the branchases, is the symbol of growth of the a business. 2 In the stage of growth, woi right decision regarding the enpansion effects a lot, in the probits of a the
- 3. The concepts of elasticity of demand are very helpful, in the product distribution.
 - 4. Enpansion 06 business:
 - 1. Elasticity of demand is useful, to plan the enpansion
 - 2. In the categorie of enpansion analysation on social, political and economical conditions are very important so this concept provides, valuable inputs, to enpand the business in different sectors. Sectors.
 - 5. policy of the organizationi1. It is very meful to brame the policy of the organization In the accept ob government, political, regal issues.

Factors Affecting Elasticity of demand's

A change in price does not, always lead to the sameProprotionate change in demand so, elasticity of demand is different
for different goods, Various factors which effects the elasticity of
demand of a Commodity are,

Nature of the product etast

Flasticity of demand of a product 9s influenced by 9th nature.

when a Commodity 9s a necessity like, bood grains, Vegetables,

medicines etc... Its demand 9s generally not elastic 9n nature.

It the product 9s lumury for a person, then 9t 9s elastic 9n nature.

Nature.

2) Availabality of substitutes:-

Demand for a Commodity, with large no. of Substitutes will be more elastic, because even a small rise in its price will induced the buyer, to go for other substitutes.

3) Income level's

Hasticity bor any commodity is generally less for higher income level goods, because, is rich people are not influenced much by changes in the price of a goods, but poor people are highly et affected, so it depends upon on economical conditions of a Country.

Demand forceasting: l. Demand fore casting is the elasticity, because changes boducts like laptops, tv, major electronic goods may have high 1. Determining the objectivies. of Cous Customer demand. such Commodity, becomes However, demand bor in-expensive goods like Newspaper, motch box so, change in price of such goods do not change their demand. ncedles all small scale industry products are an elastic in natural com consumers, have commodities, which have Steps in demand bore casting: borecasting process, i.e. Continues to purchase first Surp in this regard is to consider the 9s used to develop bore casting means predectiting or estimating future a brand or less , price of elasticity of demand . costly process, in which, historical sales , even ets posa. rises /raises. elastic in demand. It happens because, production of pr In their prices may leads to the loses a necessity for the 60 customers, and become, habitual necessities, for the and estimate, ob an expected borecast bose casting on sales demand, probit hadten on

2. period of bore cast.

Before taking up bore casting, the company has to decide
the time period of bore casting wheather it is short term or
long term se research.

- 3. Scope of bore casting:

 The nent is to decide, the scope of fore casting wheather

 it is bor a single product or bor a particular area

 or to the total industry or at the national finternational

 level.
 - 4. Sub-dividing the task.

 Dividing the task into homogenous groups according to the Product, alea, activities or customers.
 - 5. Identify the variables:

 The different variables or factors affecting the sales should be identified. So that importance may be given to those different factors.
 - 6. Selecting the method.

 Appropriate method of sales borecasting should be selectedby the Company according to the available information.
- Hecassary data for the bore cast are Collected, tabulated, analysed and cross check. Now the data is interpreted by applying the statistical tools and graphical techniques.

- 8. Study the sales forc cast and sales promotional plans.
- 1. Making the bore cast realible and sales promotional plans such as advertising, personal selling, and other programs should be developed.
- 9. Compétators activity.

Volume of sales of a Company, largely eiffected by the activities of the compétators. Therefore the forceast must study the competators activities, policys and programs.

10. preparing final sales bore cast.

management will decicle By Reviewing all the above stages the percentage of final sales forc cast.

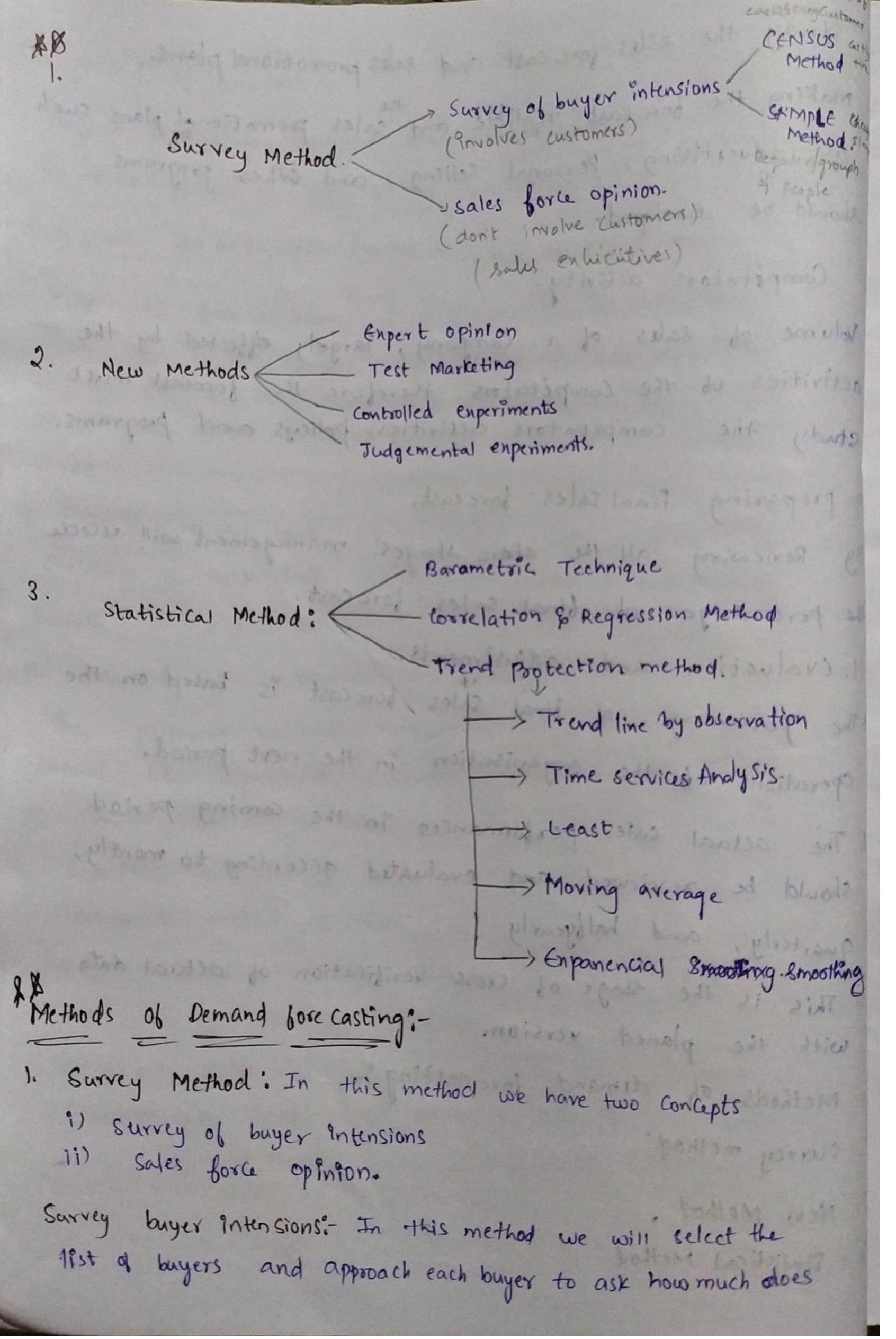
11. Evaluation and adjustments.

- 1. The percentage of final sales forecast is based on the operations of the organisation in the next period.
- 2. The actual sales personnances in the coming period should be reviewed and evaluated according to monthly, quarterly, and halbyearly
- 3. This is the stage of cross verification of actual data with the planed version.
- =) Methods ob demand fore casting:
 - l. survey method.
 - 2. New Method.
 - · Statistical Method. all persons and collecting to sell person of persons and best persons as the persons as the persons as the persons are persons are persons as the persons are persons as the persons are pers

andisorded to have better

ow bestrom sixte of the property week process

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- they plan to buy the products. Their are two dibberent methods. a. CENSOS Method: - In this method data is collected from all the Customers and then added up to the arrive has the total encepted demand, of the productes. This method is time -- 35 m see 3 3 2 5 3 1 3 1 2 2 2 2 5 9 1 Consuming as well as costly.
- b. Sample Method: In this method only a lew customers are selected and their views on the peop probable demand is Collected. This method is simple and cheaper but may not be accurate all the time.

Sales force opinion:

- enecutivies are expected to estimate 1. In this method, sales the sales in their specific aleas.
- 2. The sales force which has been Sciling the products to whole salers, retailers, Consumers over a period of ptime 30 their is consider that to know the product demand and pattern approahing the sales enecutivies is the easiest way.

2. New Methods:

- 1. Enpert opinion: This technique of fore casting in demand seeks the view of enperts regarding the level of demand as they have good enperience in the demand analysis.
- iii) Test Marketing: Test marketing is the most realiable method of sales forecasting where the product es launched in few or towns the product. Cities scletted

Controlled experiments:

In this method product 9s introduced with different packages and different prices to understand the demand level.

Judgemental enperiments:

In this method owner owner judgement and analysis done by the management with the help of historical data of the organization.

Statistical methods:-

1. Barrometric Technique:under B.T
none set of data is used to predict the demand of the product.

2. Correlations and Regression:

This method describes the degree of association blu two Variables i.e., Sales and advers advertisements, sales and offers, sales and Brand ambasidor, sales and proportional, activities etc. when two variables tend to change together to analy anagl analysis level of demand then they are correlated and regreted each other.

Trend projection Methodis-

Frend line by observation:

series data

Straight or curved line in antrend chart that indicates

general pattern of time series data, information about

Previous years. It may be drawn visually by Connecting

the actual data points in graphical representation.

2. Time Series Analysis: one major reg requirement to follow this techniques is that the product should have activity been trend in the market for quite some time on the past based on that elements sales will be predicted. Least Equare method: - Certain Statistical form formulas are used here to find the trend line which is best Suitable to the organisation. Linear trend equation for the sales is S= X+ Y(T) where s = sales T= year no. for which is in for casting. N= no. of years. ES = Nn+YET EST = XZT + YZT = 1998 2000 1994 1996 1992 Year 98 88 92 84 75 Sales estimate the sales for 2002 & 2004? NO.06 ST T2 Sal Year **45** 78 1992 3 275 84 1994 5 460 92 1996 49 686 1998 98 . 81 792 88 2000 57=165 EST = 2265 ES= 437 ET=25

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$$\frac{5\times + 10.334}{5\times + 10.9} = 262$$

$$\frac{3.334}{3.337} = 43.33$$

$$\frac{1}{10} = 2.33$$

$$\frac{1}{10} = 1.4.26 + 10.66$$

$$\frac{1}{10} = 103.23$$

$$\frac{1}{10} = 14.26 + 10.41(9) = 103.23$$

$$\frac{1}{10} = 14.26 + 10.41(9) = 105.65$$

$$\frac{1}{10} = 14.26 + 72.71(4) = 106.65$$

$$\frac{1}{10} = 14.26 + 10.41(9) = 106.65$$

$$\frac{1}{10} = 14$$

Estimate the 6 g = month?

$$S_5 = S_1 + S_2 + S_3 + S_4$$
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 $= S_5 + S_5 + S$

$$S(t+1) = (s_{t} + (1-c) \text{ smt}$$

$$S(t+1) = (0.1)(s_{t}) + (1-0.1)(105)$$

$$S_{t} = 6.1 \times 188 + 166.57$$

$$S_{t} = 185.3$$

$$S(t+1) = (s_{t} + (1-c) \text{ smt} =) S_{t} = (0.1)(108) + (1-0.1)(170.8)$$

$$S_{t} = 19.8 + 15.3 + 12$$

$$S_{t} = 173.52$$

$$S_{t} =$$

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$$S(5+1) = 0.1 \times 38 + 0.9 \times 41.9$$

 $S6 = 41.06$
 $S(6+1) = 0.1 \times 4.3 + 0.9 \times 41.06$
 $S4 = 41.254$

Moving average method:

In this method consider that the any of past events determine the funct buture sales. This method is very flexible and accurate to calculate the single day sales.

Day sales
1 40
2 44
3 48
4 45
5 53

estimate the sales for 4th & 5th days of nent morth?

Su= 40+44+48 = 44

55 = 44+46+45 = 45.7

Supply Analysis:

A quantity of goods or Survices a producer would be willing to produce and offer to the market for sale under a given set of Conditions. During a period of time.

Determinets of Sopply "

Price of the goods or services:-

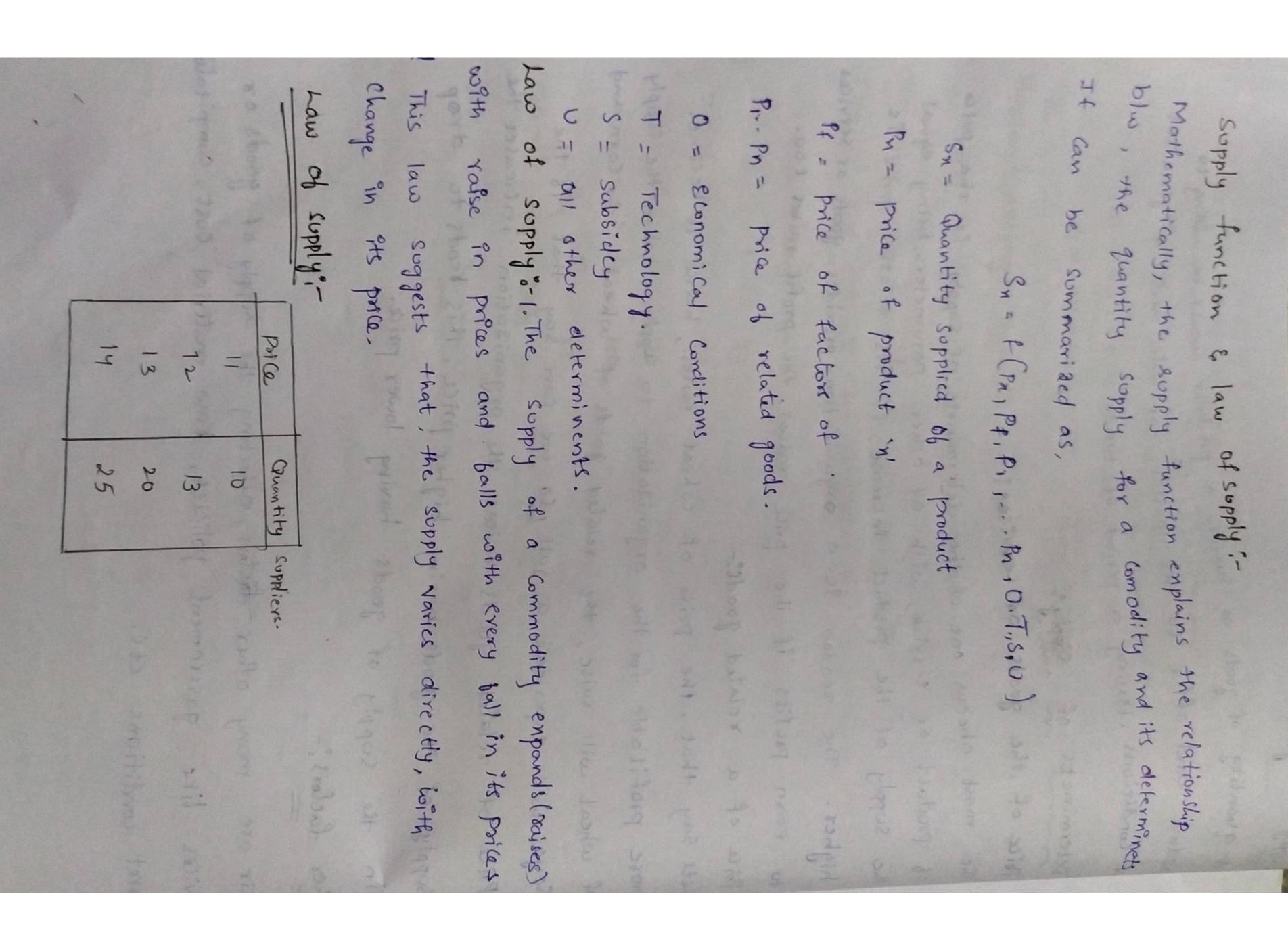
The most obeous one of the determinets of supply is the price of product or service, with all other parameters, being equal the supply of the product increase, if its relative price is higher. The reason is a organization provides goods or services to earn profits if the price raises, the profit raises too.

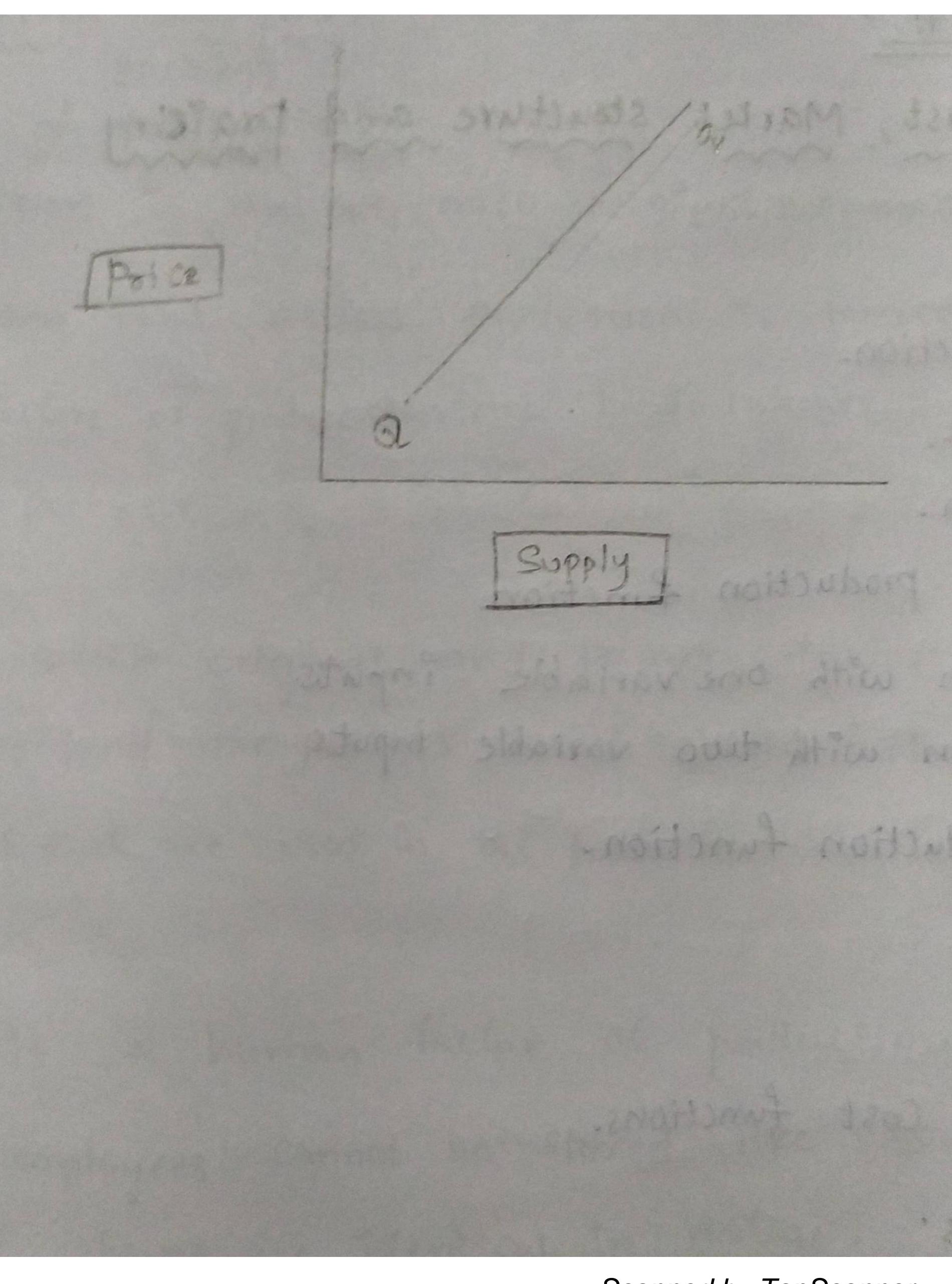
Poice of a related goods:-

heter say that, the price of wheat raises, hence it becomes more profitable for the organization to sopply, when the supply of wheat will raise, the related goods of wheat i.e., corn and soya will enperience a fall, so we can say that, is the price of related goods raises, the organization increases the supply of the goods having higher price. This reads to drop In the supply of goods having lower price.

Other factors: -

Their are many other factors, effecting the supply of goods or services like government policies, traw material cost, compitators market conditions etc.





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Priceing.

Production, Cost, Market stoucture and prairing

i) Product analysis.

- -> Factors of production.
- -> Returns to scale.
- > production function.
- -> Different types of production function.
- production function with one variable inputs.

 production function with two variable inputs
 -) Cobb-dougals production function.
 - li) Cost analysis.
 - -> Types of cost.
 - -) Shorton & longrun Cost functions.
 - fiil Market Structures.
 - 7) Nature of Competition.
 - Feactures of perfect competition.
 - -> monopoli
 - → bligo poli
 - -> monopolistic Compretition.

Iv) Praising

- 7. Types of praicing.
- -> product lifecycle based praicing.
- -> Break even analysis.
- -> Cost volumn profit analysis.

Production Analysis:-

factors of production:

- 1-) Production is an outr outcome of the economy activity.
- 2 -) anything that assists, production is termed as bactors of production
- 3. Basic factors of production are land, labour, capital and an entre prenuer

Landi-

Land is the original and primary bactor production.

Without land the process cannot exceed further, and all natural resources that are used in the production can be comes under land.

Labour: -

- 1. Labour 9s a human factor of production.
- 2. Labours / employees cannot be stored like other factors of production.
- 3. no two labours are identical in nature.
- 4. In economics labour is defined as "Economic activity of man with hand and head".

Capitali-

- 1. Capital is a man made bactor of production, which is used to
 Produce burther bett wealth.
- 2. Capital hors mobility, and elastic in nature.
- 3. It refers to stock of Capital can help up fout to arrange the remaining factors like machines, tools, in brastructure, transportation, etc., Entreprenuer.
- 1. He is a person who brings land, labour, Capital in one place and uses it for the effectively for the production process.
- 2. He 9s the person who decides what to produce and how to produce and where to be produced.

3. He must be a good administrator and must process complète

Knowledge about the system.

5/2/2020

Production function:

- 1. The basic relational ship blue the factors of production and the output is referred has a production function.
- 2. Production function describes, purely technological relationship because what can be produced from the organization, depends upon state of amount of inputs.

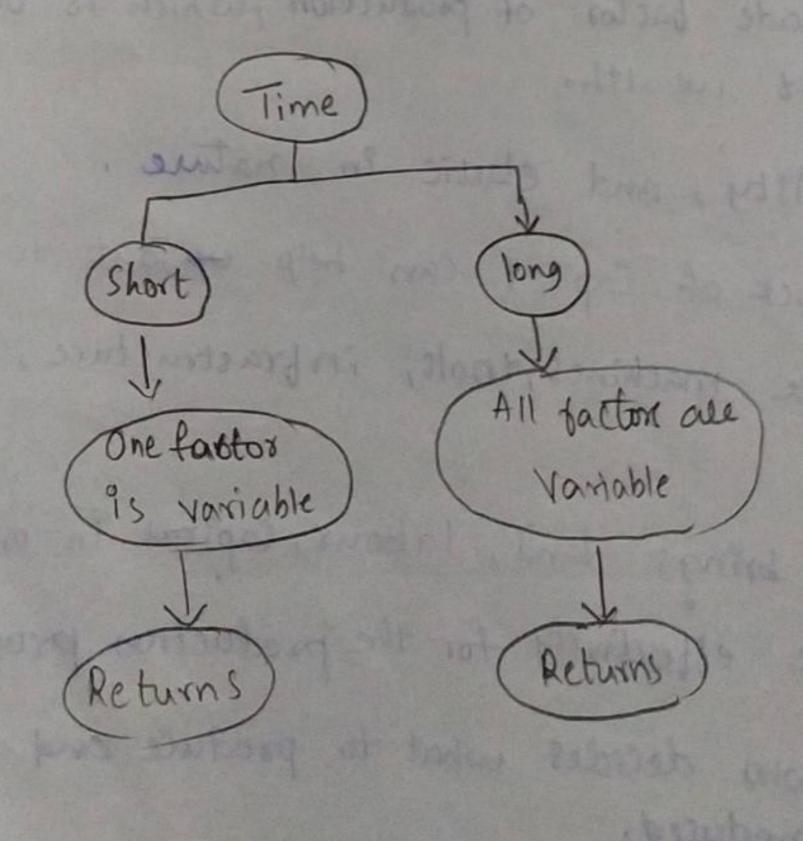
& = output.

f = factors of L = Labour, (= capital, T = technology

Different types of production function.

Their are two types of production function.

- 1. Production function with one variable input.
- 2. production function with two-variable input-



1. Production function with one -Variable input.

The organization uses a no of inputs 1 to produce 9ts output.

So in the this Concept the organization varies the quantity

of only one input, by keeping other input quantities unchange.

for the better olp 9n the production.

2. production function with two variable input.

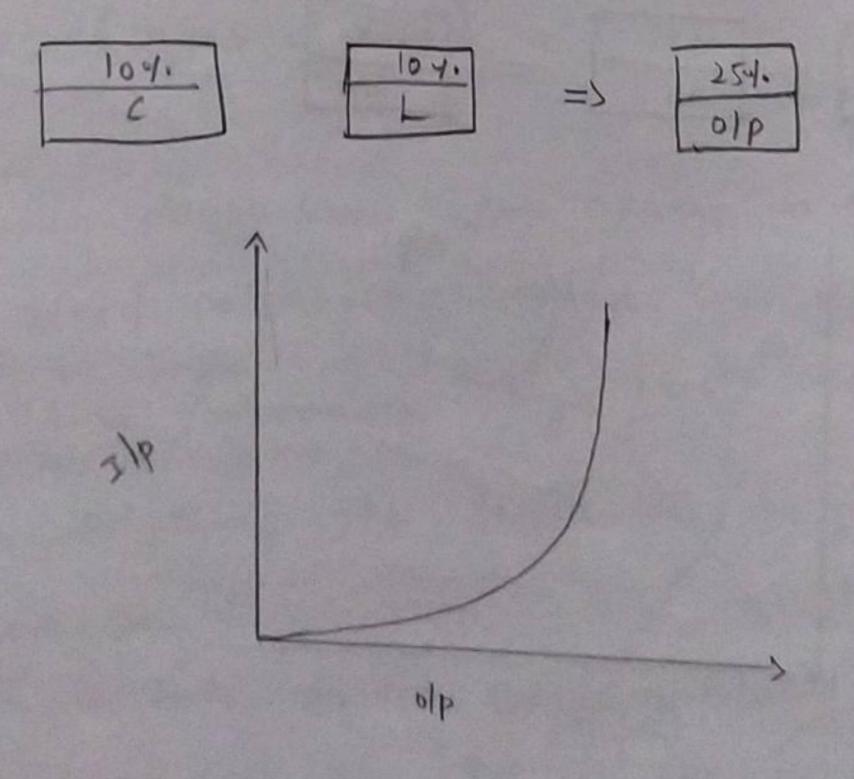
In this concept the organization varies the quantity of all inputs, of the process for the better output in the production.

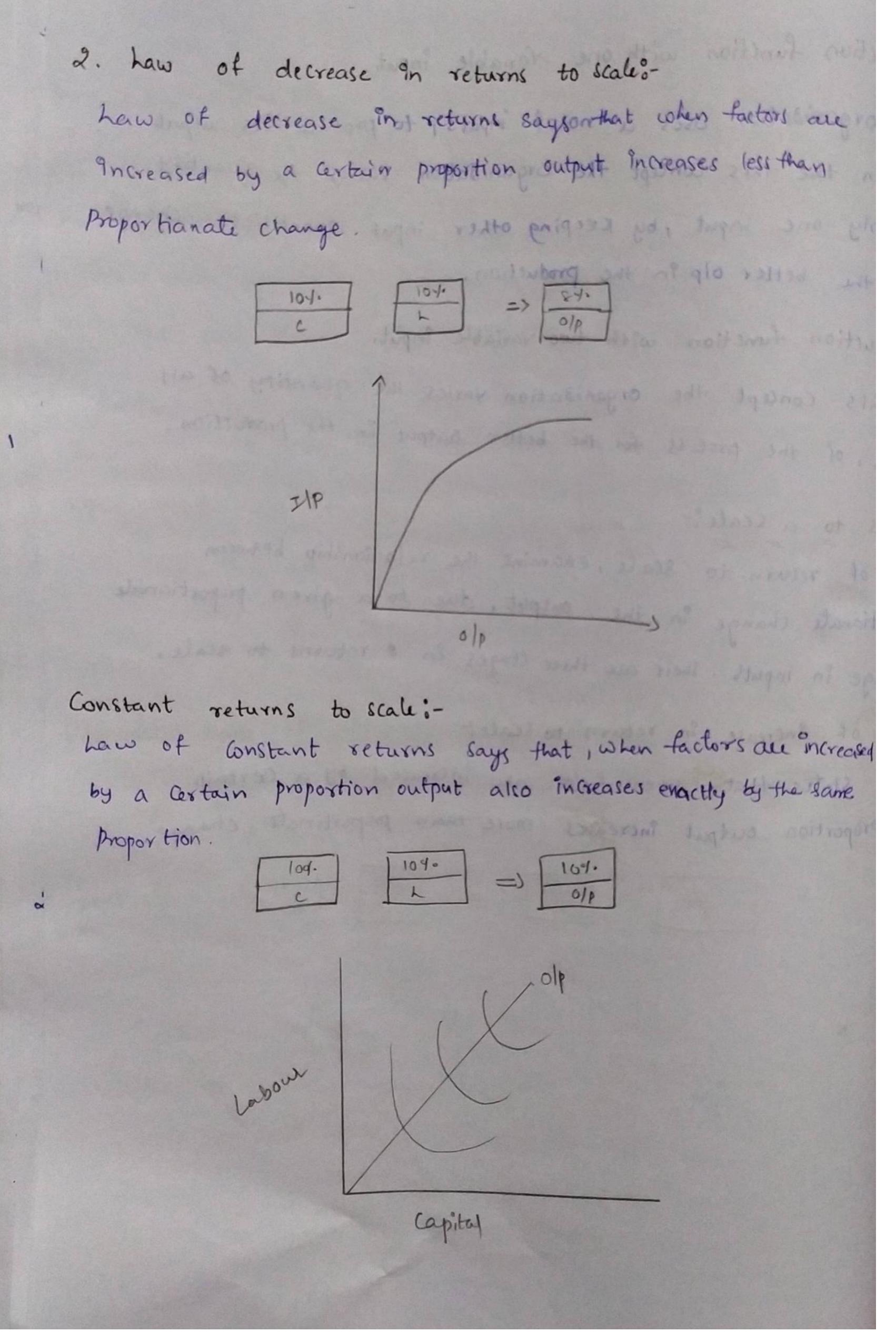
Returns to a scale:

haw of return to scale, examine the relationship between proportionate change in the output, due to a given proportionate change in the output, due to a given proportionate change in inputs. Their are three stages in a returns to scale.

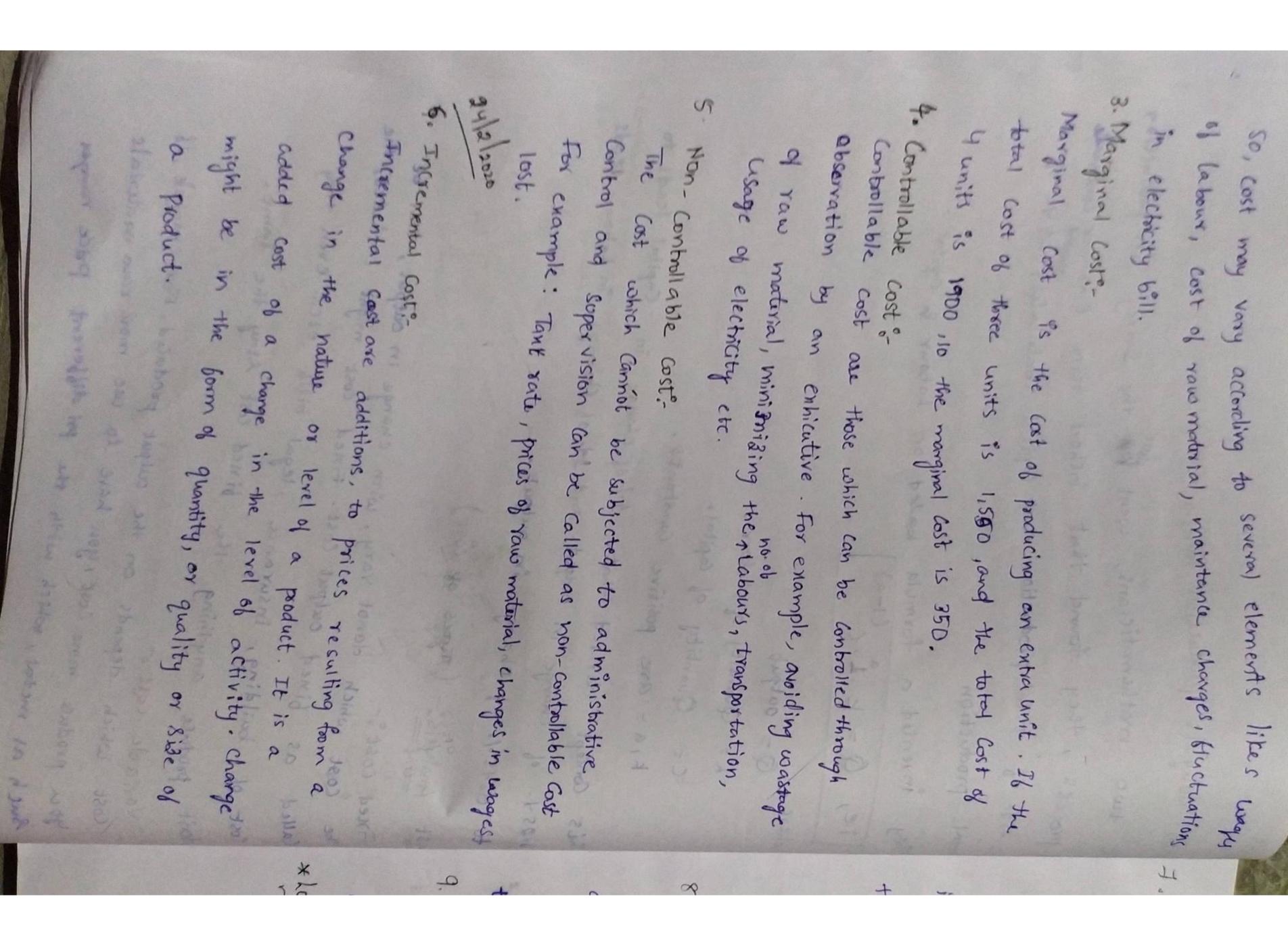
1. Law of increase in return to scale:

This states that, when factors are increased by a cortain por proportion output increases more than proportionate change





. Axed cost :cost of building, insurance, regal bills etc... even they to 0.45%. of change in Analysis: (Types of Cost which k, a = are positive as metal, which mathematicians, total production charge in output. and 1% of change in Labour leads Quantity of Labour. Quantity of apital. derived that, 11- of change in capital leads to anything more cost 1 you have to donot vary, with change in output, can be output with the pri different price ranger a pubput to the same salamon and Cost . Fined cost might includes) who the pour of directifity and capital contributes + 0.25 % of Constants. based on Labour & copilal Inshort output produced. For enample, 16 bined cost stay the same. the survey on production use more rano materials



7. Sunse cost:

In economics, a sunk cost is a cost, that has already been occurred and cannot be recovered for example, when a new car purchased it can subsiquently be-resold. However it will probably not resold for original price, not only in the case of vechicles but also in the ease of machinary, properties, Computers, any other infracture infra-structure bacilities. so depriciated cost can be called as sunk cost.

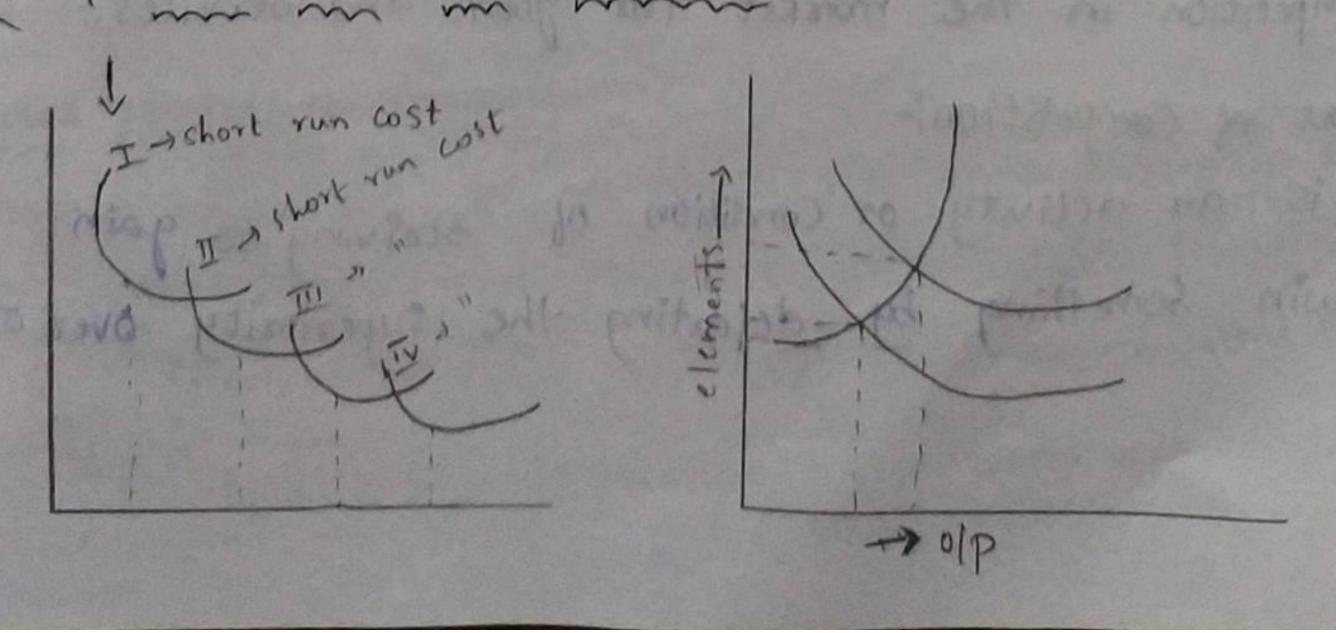
8. Implicit cost:

These are opportunity cost (Can or cannot be used) which donot necessarily appears on it balance sheet but effect on the organization. These are imputed cost which belongs to owner him Self.

9. out of pocket costi-

Reambust amount can comes under out of pocket cost which does not exist in the books of financial department.

* Longrun & short run cost functions:-



Short run Cost function:

- 1. In short run, the organisation cannot change or modify timed factors such as plants, machinary, etc... and even Impossible to made changes in variable factors like labour and Raw materials etc.
 - 2. Even the changes in the inputs may not leads to good results in the output of the production in the case of short run cost function. Long run cost function.
- In Long run their is no timed bactors of production and hence their is no fined cost because in the long run during

the lengthy time period all othe inputs are variable.

25 bloops

Bayer (consumer) on often problems and survey and young the 8 c

Market Structures:

Market Structures:

Market is a social structure, that brings together a buiger and a Seller to agree a price with enchange of goods and services.

Market structure:

Market Structure refers the nature and percentage of Competition in the moreket for goods and services.

· Nature of Competition:

It is an activity or condition of striving to gain or win something by defeating the superiority over others Nature of Competition:
1. Competition is impersonal:-

The Competition is usually , not directed against any individual or group in particular.

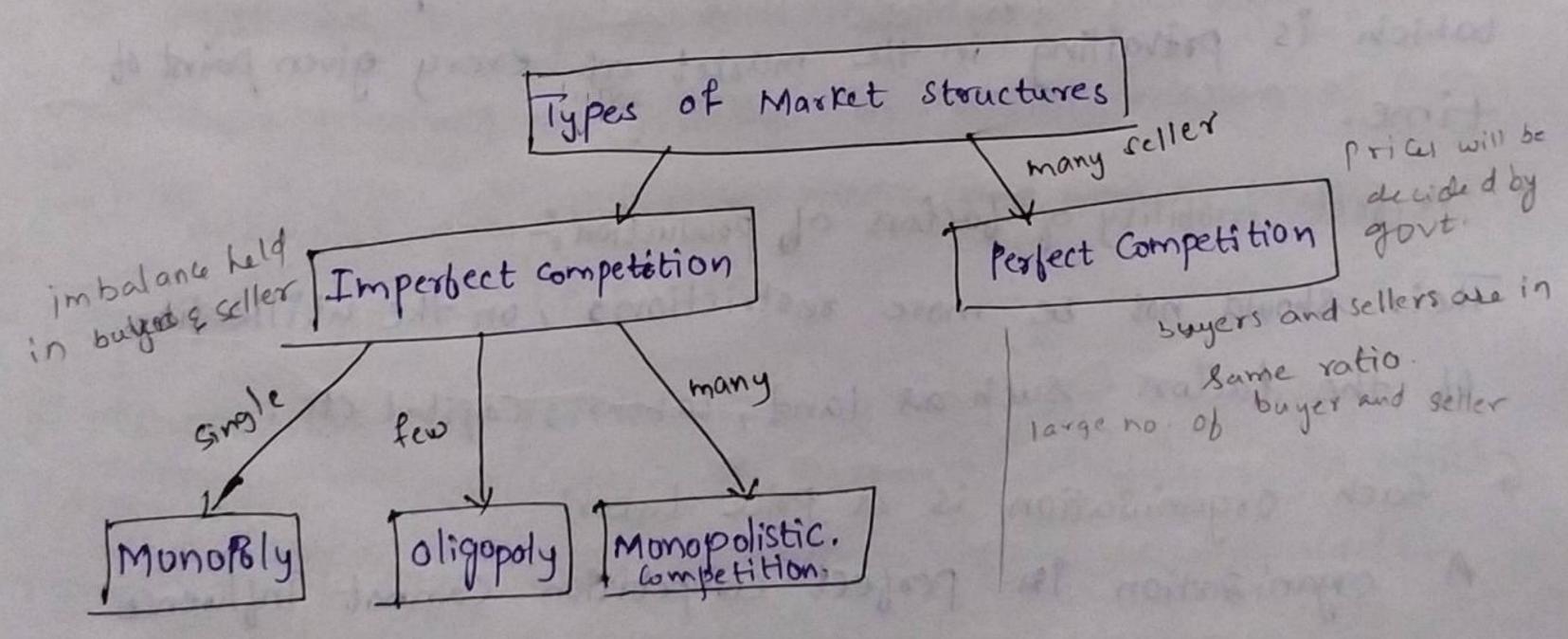
- 2. Competition is continouse process:
 - It is a never ending process, and it is unstable and frequently results either Co-operation or conflict.
- 3. Competition is restrained:

It implies, their are rules of the game to which

all competations must follow, when compitators breaks the

rule it may leads to avoiding them from the

Competation



Features of perfect competitioni-

A market structure in which all the organisations in an industry one similar and they are price takers in which their is freedom to entry and enint from the industry can be called as perject competition.

- 1. Large no. of bayers and sellers: Their should be large no. of buyers and sellers available in the market but their is no differences in terms of price and quantity supplied.
- 2. Homogenous products and services:

The Products and services of each seller should be homogenouse, they cannot be differentiated from one another.

- 3 Freedom to enter or enist the market:Their should not be any restrictions on the part of the buyers and sellers to enter the market and toter leave the market.
- 4. Perfect information available to suyen and sellers:
 tach buyer and seller has total knowledge of the prias
 which is prevailing in the market at every given point of
 time.
- Their should not be more restrictions, on the utilization of the bactors such as land, labour, capital etc.
 - 6. Each organization is a poice taker:

 A organization is perfect competition Cannot influence the market through its own indiavidual actions. It has no alternative than selling the products for market price, because they don't have oppostunity to decide the prices.

Importect Competitionit

1. Monopoly:

- 1. If their is only one seller, then we can call as monopoly enist. An entreme version of imperfect market is monopoly.
- 2. Here, A single seller controls entire endustry.
- 3. Several reasons as box monopoly status is government policies and legal provisions, New innovations etc. Indian Railways have absolutely monopoly as government restricted others to enter the toade transport business.

2. Oligopoly:

Another variety of imperfect Competion is oligopoly. It their is Competition among few sellers oligopoly is said to be enist. In oligopoly each individual seller or organization can be involved partially in decision making of price. The enamples are printing media and manufacturing Companies and air lines etc.

- 3. Monopolistic competition: (They works under Composation)
 1. Monopolistic Competition is a market structure in which many ho. of organizations selling differentiated products.
- 2. Their are many sellers and many consumers and also Producers of have total control over the price of the product. They don't bother about government government rules and restrictions to do the basiness. They are price makers but not price takers.

3. Their is no eignificant barriers to entry but the Competition 9s strong because plenty of Gostumers 6 switching to another organizations with more options.

Poicing:

Types of pricing: 1 Pricing is the process, where a business sets the price, at of which it will sell its products and services.

2. we have bour major wings in types of pricing.

I. Cost based pricing methods: Total enpendiature used for the production of product)
In this method price will be decided based on cost of the production.

i) cost-plus pricingi-

In cost plus pricing, a fixed percentage of profit will be added to the Cost, and profit will be taken by the manufacturer.

ii) Marginal cost pricing:-

This approach is, common in evaluating the profitability of new orders and it is the combination of Gost plus Cost + general profit + and entra cost.

iii) social - cost based pricing: This pricing method includes, adding additional Charges, to the price based on social conditions like waiting charges delivery charges etc.

2. Competition Oriented pricing:

In a Competition oriented pricing, the company set its price based on the price of the Competator. The organization may charge higher, lower, or equal prices as Compact to the prices of its Competators.

- This method is more popular, in tenders and Contracts.

 each contracting organization codes its price in a Scaled

 Cover Called tender. all the tenders are opened in a Scheduled

 date and the person who codes lowest price is awarded the

 contract:
- Price 9s Charged in tune with the price 9n the industry as a whole, when the person wants to buy or sell the Products the privalling market rate at a given point of time 9s taken.
- 3. Demand Oriented Pricing".

 As the name suggest this Stategy uses the Customer demand to set up the price in market, a high price is charge when the clemand is high and low price is Charge when the clemand is how.
- Practise of Charging different prices to different customers for the same product price discrimination is based on Customer requirement, income group, etc.

Price timed on the bases of perception of the baser on the value of the product. I.e, demand for a product on the market.

Stategy-based pricing:

i) Market stimming: when the product is introduced for the first time in the market, the company follows this method ander this method the company fixes a very high frice for the product the idea is to charge the customers upto manimum entent.

ii) Market penetration:

opposite the market skimming method is market penetration there, the product is fixed with less price to attract the customers and to increase the sales margin so that company can increase market shape.

the customers so that organisation can enhance its posits we can see block pricing in our day to day life. For enample; 6 products in single pack can illustrate block pricing method. By selling certain number of units as one package the organisation earns more than selling single product.

iv) Commodity Bundle: - Commodity bundling refers to the practice of bunching two or more different products or services together and selling them at a single price.

for example the package deals offered by the tourist Companies, Airlines ete. an all 2 wing Apid althou structure with

VI peak load pricing;

During Seasonal period when the demand is high for the product or service the organisation may enchance Profits by implementing peak load pricing. The organisations philosophy is to charge higher among during peak times.

VI) Gross - Subsidisation:

Cross - subsidisation is pricing strategy in which the Sale of one product is used to subsidize sale of another products.

vii) Two-part pricing;

In this concept the entire price has divided into two parts. It is a form of pricing in which Consumers age charged both and entry fee as well as usage fee

* product life Cycle Based pricing:-12000 2200 200 In modurian growth maturity = 20 21 21 1 the is they want to disant

1) Introduction i-

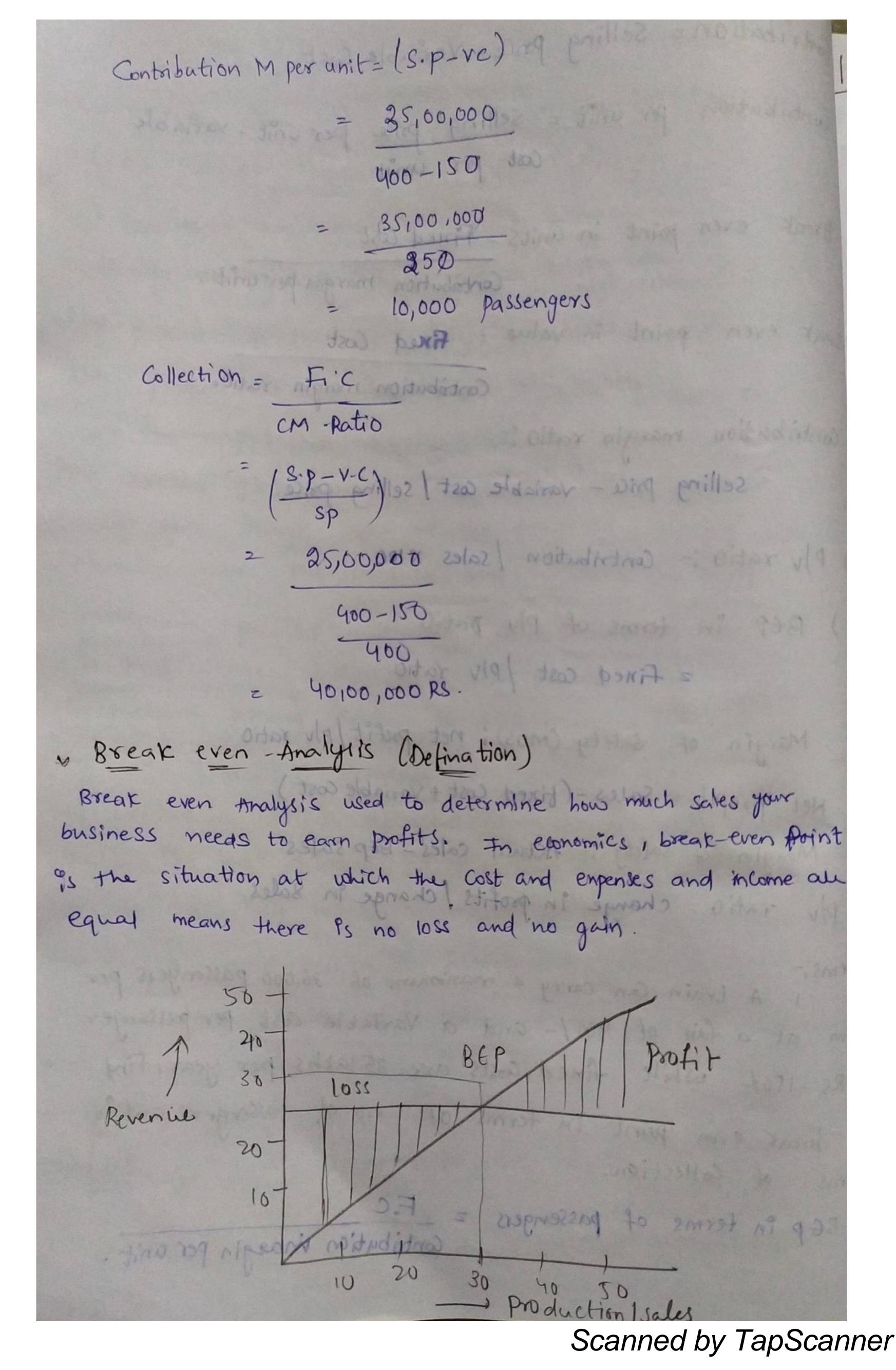
Initial Stage of a product life cycle 95 Introduced first time to the mortet when the product unawareness of the product Sales are slow be cause among the customers.

producting the stand the production

Hestots woitions stately

In this stage basiness might choose to introduce the Products with high prices to earn the investment and adapts market skimming strategy in pricing. problet or service the organization may; attenorp During the growth stage there is high demand for the product so this is really a great stage for the product so to face the Competition business can Choose Competetive pricing strategy. 12 1000 (iii) Maturity; Dieder of bood of bubong soo to shop In this stage most of the targeted Customers Hords already have the product and company can enjoy manimum profits and also market share so even In this stage business Continue to asing the Competitive pricing Strategy to attract the Customers and to face the Competition effectively. iv) Decline: - This is the final stage in a product life Gele There is less demand for the product and business must decide it they want to dis Continue the product (00) keep Producing and selling it. During this stage many Brganisations reduces the prices of the products and uses market penetration stategy. * Break even Analysis (BEA) = List of the formulasi-1. Selling poice = Fined poice + Variable Cost + profit. MADE ENSTONERS.

11) Contribation = Selling price - Variable Cost (11) Contribution per unit = selling price per unit - variable IV) Break even point in units = fined cost Contribution margin per unit. v) Break even paint in value = Fixed Cost Contribution margin ratio. Vi) Contribution margin ratio: selling price - variable cost/selling price. vii) P)v ratio: - Contribution / sales x 100 VIII) BEP in terms of Plu pratio. = Fined cost / Plv ratio. ix) Margin of safety (mos): net profit/plu ratio. Net propit = Sales - (fixed cost + variable cost) xi) Margin of safety: - Actual sales - BEP sales. xii) Plu ratio = change in profits / change in sales. Problems: 1. A train Can carry a maximum of 36,000 passengers per annum at a fair of 400/- and a Variable Cost per passanger is Rs-1501- while fined assts are 35 lakhs per year, ting break-even point in terms of no. of passengers and is terms of collection. Sot BEP in terms of passengers = Contribution margin per anit.



volume profit Analysis: - (cvp) analysis is the analysis of three Variables, ive Cost, Volume, and profit. Such analysis explores the relationship blw cost of the products and revenue of the organisation and level of production. above three are very important important elements to 2). Cup is helpful to decide, the price of the product to make decisions on sales orders, and also to decide the level of output. 3) The major objective of exp is to understand the Price fluctuations of the product with reference to Cost and level of production. 186P (2 year) = 10,000 2. An enterprice deals in the supply of hardware parts of he Computer. The following data is available for two years. Calculate break-even point and margin of Safety for both first year and second year. year 2 year-1 Data 1,20,000 50,000 Sales 20,000 10,000 Fined Cost 60,000

30,000

Variable Cost

Sott- Consider sales as selling price BEP in terms of plu ratio = Gined Cost) Plu ratio Lolume and profit Plu ratio = Contibution/sales ×100 Constribution = selling price - variable Cost year 2 = 50,000 - 30,000 = 20,000 year 2 = 1,20,000 - 60,000 = 60,000 Plu ratio (years) = 20,000 x100 50,000 (years) = 60,000 ×100 = 50.10.
-ADD BEP (2 year) = 10,000 40 2 250x100 = 25,000 BEP (2 year) = 20,000 = 400 × 100 = 40,000 Margin of safety = Actual sales - Btp sales 1 year = 50,000 - 25,000 = 25,000 1,20,000 - 40,000 80,000