Chit-1. · Economics is the studyer wealth.
Adam Smith father of romanter ordinary turiness of life. The essence of economics is aptimum or pest utilization of the mounces of a nation/country The netimate goal aim of all engineering pursuades is nothing but maximization of benefits for the markenum members of the society. His men's for estherefore to produce something with minimum or whent with cost. The elements of production and 5mb. 5 m's - Men 7 machine to method -> meny -> material >Outtout Revolproduct organiting Difecting controlling. Stalfing.

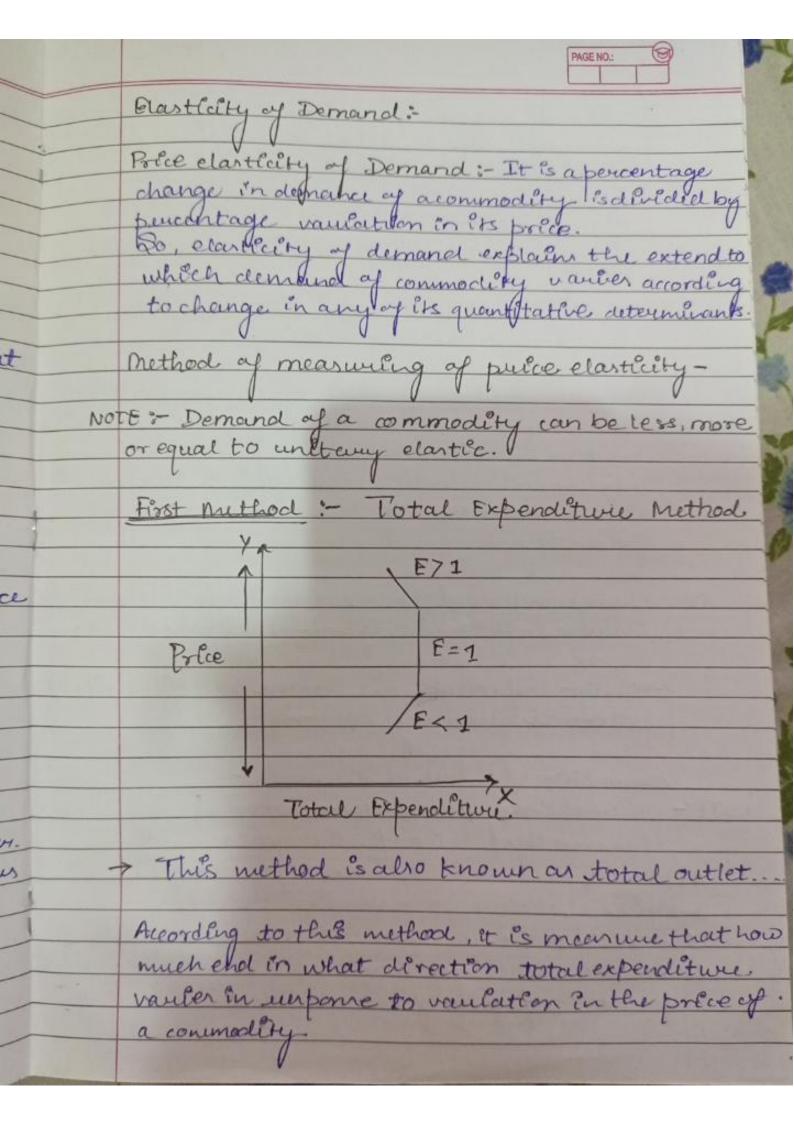
The elements of products are 5 m's, i.e., All engineering quadrate when they enter their suotasion either in industry, in fortnetion, l'en mainterinance or similar executives jab come across problems which miguire in addition to nequisite technical knowledge, meronally good. knowledge of economics and accounts. The term Enduntral economics Encluderall that applied economics which is welated with industry lg - production, distribution, exchange & public finance Definition of Economics: "Economies is the science of wearth". Salient Features: - Economics is the study of wealth only. It deals with production cossuption distribution and exchange > The economics studies the Occurrer of wealth changer. i.e., economic development. Criticism of this definition: 1. Too much important of wealth them man. 2. Restricted meaning of health i.e., wealth means material goods. (Italiquelle goods) & no consideration to non- material goods 3. No mentions & of men's welftere. 4. Novinow view of subject matter.

naterial welfare definition: Economics is the study of markind in the ordinary buriness of hite. Salient features: 1. Study of mankind. 2. Ordinary turiness of life 3. Study of material welfare. 4. Study of individual and social action. Modun Definition:-war given by prof. Robbin. Economica is concerned with the best possible. vtilization of united unowners. Major Problems of an Economics: 1. What to produce and in what quantity? 3. for whom to produce?
4. How efficiently are the resources being villized? 5. Problem of full employment. Meaning of science engg and technology-Science: - It is a systematic stocky of knowledge concerning the westerning to lawe & effect of a particular phenomenon which enable prichetian and planning

Technology: It stands for refluement of tool
It is of systemished knowledge put into action. Do, science and technology are idear and means with which mean secks to change environs. Relationship of sciengy technology & Economic Economics plays an important role indecision making of en engineering project so exonomic 1. In the provision of basic tool. 2. In deciston making. 3. In factor substitution. 4. In Schoose making. 5. In understanding the problem of agriculture 6 In understanding the mereket bondition, accounting of costing etc. 7. Law of maggirful utilfry. Demand & Literally mening zeal, desire, wantetc. Deneural states that, it is the quantity that customer are willing to and abletto buy & furtuating to pole other things to be Types of Demand:-Individual Demand (Demand by single automer).

100 2. Market Demand C.Demand by whole market or groups). Demand functions: Demand function states that have the demand for commodity is ulated to its 2. Income of goods Types of Demand Function: 1. Individual Demand function:-In demand function behover the nelationship individual curtomer and vaulous determinant Do = F(Pa, Px, X, T, E). where, Pc = Price of a conmodity. Pre = complementary goods. X= Income of commons. T= Tarte and Differences. E= Expectations. 2. Market Demard Functions: - Market demand function represents how overall demand for a commodity in the market is rulated to its various determinant. also supresent as -> Dc = (Pc, Pr, x, T, E, Po, ap,s).

Pc= Price of a commodity. Pr: complementaring goods Income of consumer T = Tarte & Differences E = Expectations Po= populations Choneunment policy. Cup= Searon. how of Demand: - how of demand states that demand for a commodity increases with decreasing and decreaser with Excreasing price and vice- verra. Demand x 1 of consumer and price of other goods. Assumption of how of Demand:-1. There is no change in income of commen 2. Pulce of other goods should not very 3. when Ino. of Januaren Encrearer. 1 Du to change in farhion, tarte of consumer may go en the favour of commodity, thus increasing the denemal.



NOTE: If change in price a commodity has no impact on its stotal expenditure, elahticit of demend is unitary. 2nd Method: Proportionate or percentage method: PM = Proportionate variation in Demand ( Qu Proportionale variation in Polce The meanment of natio of the proportional change inquantity demanded to the proportion variation in price & so, here pr. value of change in price and quantity demanded is taking nather than value of total change in force & quantity. PM: Cheunge Endemand/change En initial ororiginal de Cheunge En price / original or initial price. (-ve) sign subsesents the inverse relationship by Assumption of how of Demand: NOTE: Other things, meand - tarte, income, preference of commell & price of other goods. 1. Thereis no change in income of commen 2. Purce of other Goods should not vary 3 Tarte af people for pauticulour a commodiny should vaulation of price of commodity

3. Unitary Elastic Demand: This if the change inquantity demanded in unsponse to variation in price is such that total expenditure on the commodity rumains 4. Guaten their unitary Florite :when change in quantity demanded of commodity the surpoure takeninge in is prices is such that total expenditure increase on unsponse to decreare in prêce au total expenditure decreases in surposse to increase in price. price 0=45. Juantity demand-Juantity demand -> hess than unitary Flartic. when change in Volumend in surpaise to change Entre is such that total expenditure decreases with decrease in price and total expenditure increases with increases in price. price Quantity ->

tactorer affecting Price clasticity of ? Availability of substitute Hunctions of cohundity Jacome of comment Habitual necessities Tout Demand. of Post ponedwent of the punchase of commoditi

Causes of increases & decreases in demand: 1. When the consumer income increases. 2 when the brice of substitution goodsincrearer.

3 when number of consumer increarer.

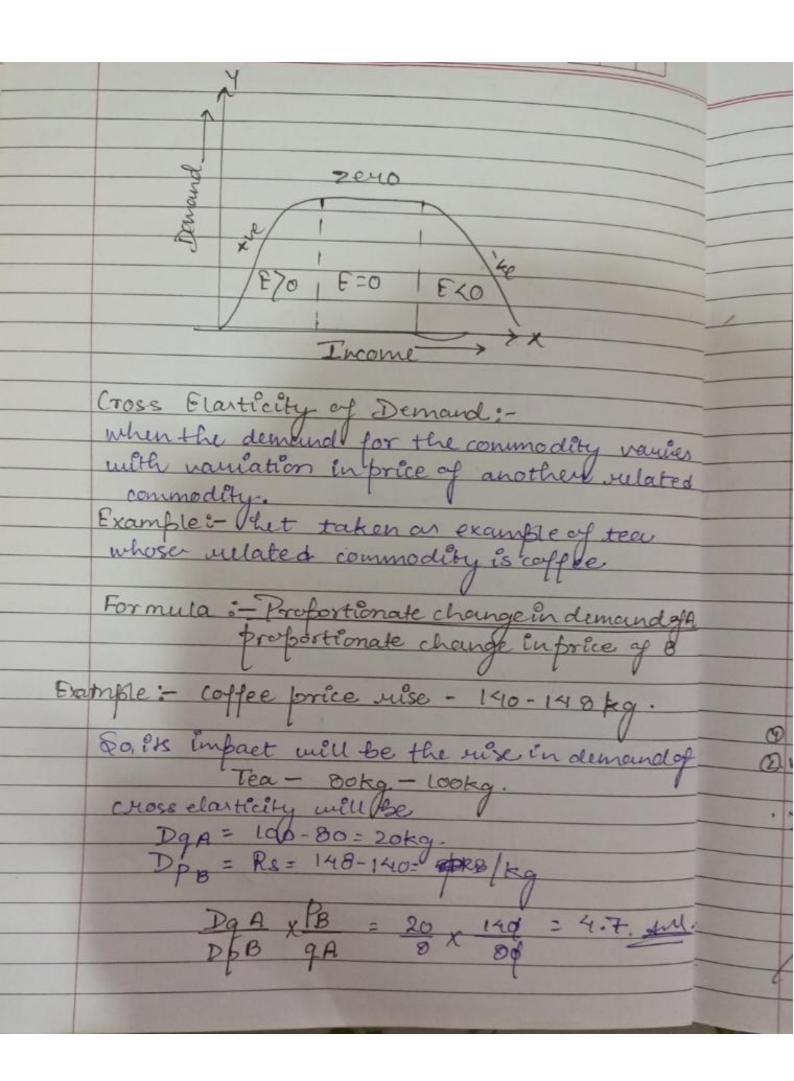
4 Due to change in fasheon, taste of consumer many go in the favour of commodity thus also increding the demand. Degree of Price Clarticity of Demand. 1. Perfectly Elastic demand:

when there is a little rise in price must in

quantity demended by the commodity reduced to Quantity Demonded 2. Perfectly Inelastic demand: when me have no effect of change in price on quantity demanded of a commodity. > Quantity demanded > x

Income Elasticity: It tells how quantity demended well vary when income of consulting changes, the bulce the commodity umaining the same. Income Elasticity Formula: Proportionate change in quentity twochare proportionate change in income of bringer NOTE: - It can be equal, more or less their unity Since the income effect is positive income ocanticity of demand is also positive. Income electicity of demand is zero when change in income has no effect andemand It can also be negative. Income Flasticity or Income demand aunes Positive Income Flasticity :withtherrease in bucome when the amount of dimended increases & vicevera. that we say it as positive income elasticity. Income £70 Amaunt Demanded

Negative Income Elasticity:-At the income vises the demand for these inferiors goods like fewars bajarla, schemed milk ota. deministes. Theom Zero Income Elasticity:when their is no change in the quantity demended in response to the changelin Income, Example: Salt, post ranchetc. E=0 Theone Amount



Substitution Elasticity:
It tells to what attent are commodity can
be substituted for another. Keeping total
satisfaction dirired by the communer andwichanged Here aruses two cases. Elasticity of substitution is Injunite: - F=00 In this care are commodity is perfect Zuro Elasticity:Here, there can be nosubstitution at all. SUPPLY & ELASTICITY OF SUPPLY Supply: - Quenting of a commodity which is affected for sale at degiven price luagiven market at a given time. Types of Supply -D'uncuket supporty. Tedivisual supply: - Suppry of commodity muchet supply: - Suppory of commodity offered by all the floors dealing with or producing

PAGE NO.: Price Suppry were: It shows a positive mateurlip by to huice of a commodity & quantity of commodity suppry