Labour Maricet under Perfect competition unge Patr is delermined by Market forces i.e; demand for Labour and Supply of Labour Main assumptions of Posted Completion are - All firms are wage Takar i.e; follow the way gat which is determined by DIXSL - Profit maximization is the main objective of all firms There is no barrier on entrance and exilof & woncers They have present knowledge about the maricet. workers are homogenous Pria of the product does not change. As waso rate is delearnined by Di and Si Hence Demand for Labour for a market shows \* Nymber of worker, which a market is willing and able to employ at the given wase nate in specified

There is an cinverse relationship tollines wase rate and demand for Labour. As wage late increases demand for Labour tecreases and vice versa. This is why demand Curve for Labour is negatively stoped sloped. wope wi -W2 there are other determinants too, due to which there is a complete shift in demand curve a) Derived demand. Labour is not demanded for its own sake but it is essential to Produce good and Services. Hence if demand for goods and Senices Increase, them will be a rise in demand for Labour and nce vorsa b) lechnological changes have dual effect an demand for Letoow. As Technological changes occur, demand for skilled workers

and those a who are adaptable with the new freehonogy increases and demand for unskilled e) Production of Labour does matter, in Lemand for Labour. As Productioning Times more then the cost of Labour, Aug. Cost falls and demand for Latoon increases and decreases if productivity falls. 4) Productivity and Price of Sysstitutes and and Complementary factors of Production also affect the demand for labour. For instance if frie of the systetitude is high or less productive, then demand for the given Labour will be increased Due to non-wafe factors there is a Complete shift in demand come. Fall. Rise

Supply of Labour (SL). Warmber of workers who gre willing and able to work for in a Marteet at the given wage law in Specified period of time. There is a Positive relationships between the wage rate and Si. As wage rate Increases Si Increases and view versa . Them are other Leterminants too due to which Supply cume of labour is shifted completely a) Wage rate in other Industries can confluence SL. If in other Industry wage Rate is comparatively higher, Supply Casom will fau for the and via versa



- b) How Mon- Monetary benefits also influence Supply of Labour If more fringe benefits are given in an industry, them will be more supply of Labour, and if theme are more fringe benefits in other maricet, SI will fall.
- (1) Fulum empertations of Workers do matter in Supply of Labour. If Labour expect a bright and Prosper future in an industry their supply for that producting will rise
- d) Supply of Labour to an economy also effect the supply of Labour to a firm or industry. If Se to an economy Increase them will be increased in Se to a firm or and industry and vice versa.

  The age structure of Population does maken effect supply of Labour to an economy.

  As them are more people in working population or increase in the size of working Population, Se Increases and wice versa.

- Secondly labour Participation rate determines the Supply of Labour. This term is used to determine that Part of the working Population, who are actually willing to work. It includes all employed and unemployed If Participation Rate falls, SL falls and if vie versa

- Third factor which determines Se is

the tax and unemployment benefits level

If gout increases tax nate, workers

are Selectant to work more as a cosult

Supply of Labour falls. Similarly if good.

Increases Social Securities benefits such

as as unemployment benefits, once again

willingrow of feature to work falls and

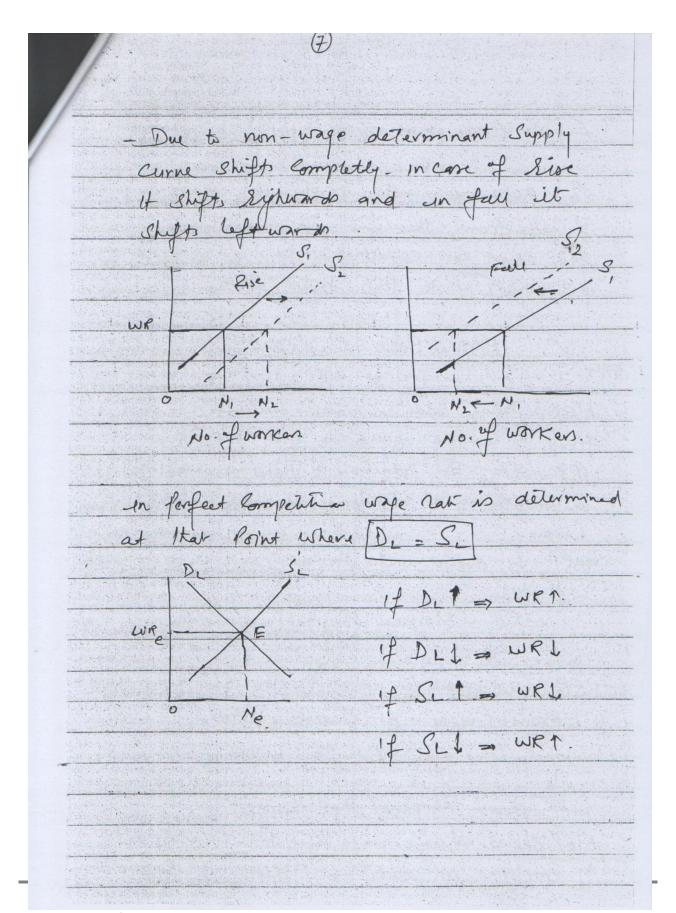
Supply of Labour falls.

Net migration can also influence Supply

of Labour to an economy. If Net migration

is (+ivi) Set increases and if it is

(-ive), Se will fall.



## FIRM'S EBUILIBRIUM

Since Profit maximigation is the main objective of all firms, there fore all firms want to gain least loss combination. Hence, A firm will employ up to that extent, where.

Marginal Factor Cost = Marginal Revenu Product
MPC = MRP

MEC Shows additional Cost incurred by a firm to employ an entra unit of Labour.

MRP Shows the addition to Total Sevenue as a consequence of employing an extra unit of Labour.

MRP is drawn under Perfect compelition's assumption

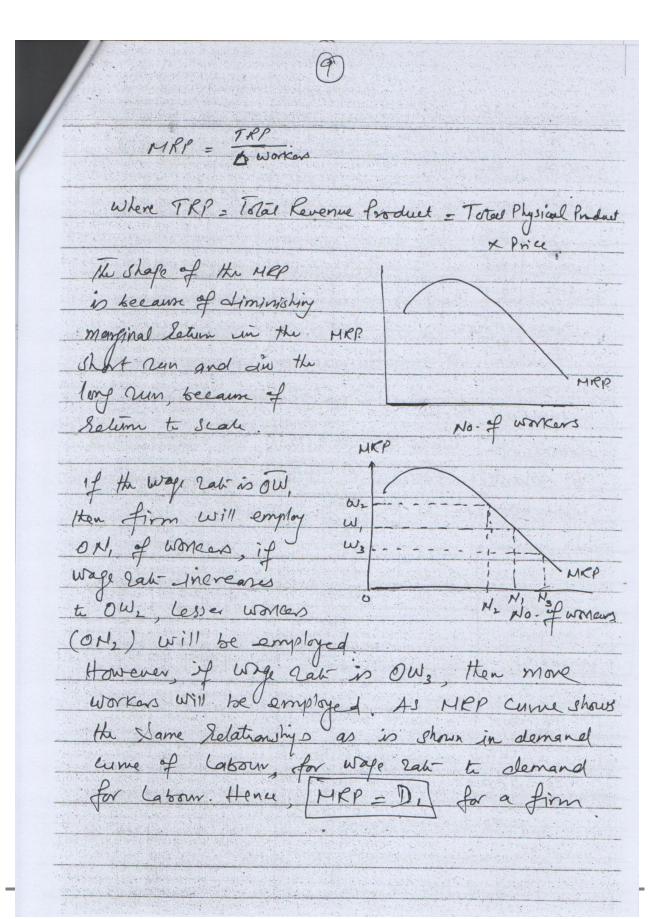
MRP = Marginal Physical Product & Marginal
Revenue

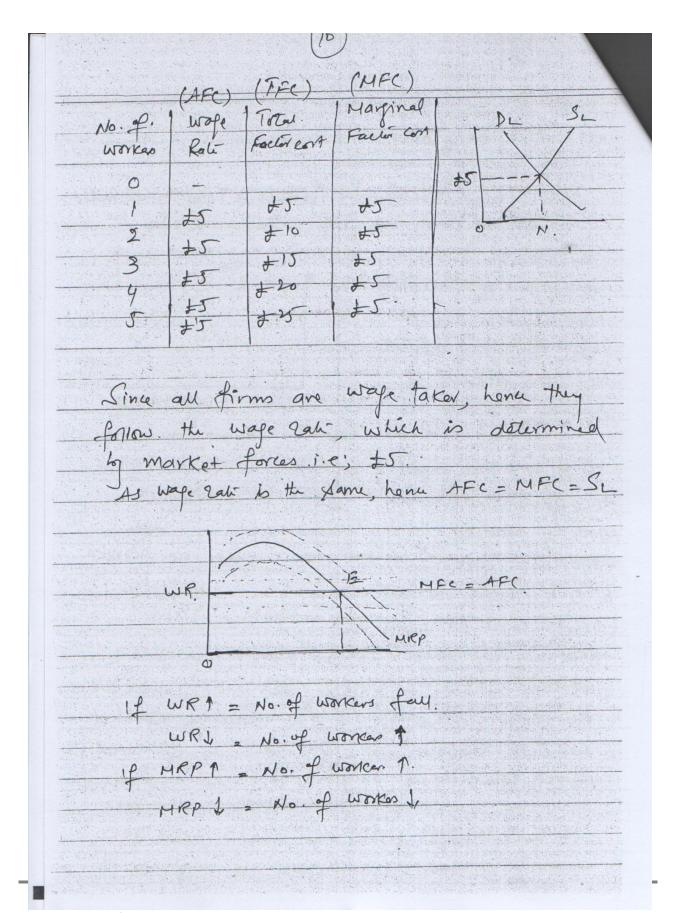
Since it is Iraun under Perfect Competition, hence, Marginal Reseauce = Arg. Revenue = Price.

MRP = MPP x Price.

HPP shows change in Total Physical Product by employing an additional Until of Labour.

Muhammad Rafi Khan





### **Limitations of the Marginal Productivity Theory**

There are various limitations and criticisms of the Marginal Productivity Theory as a general principle of distribution. With reference to its application to wages, we may repeat that the theory is true only under certain hypothesis such as homogeneous character of all labor, perfect competition, and perfect mobility of labor from employment to employment, stable rates of interest, rent and specified prices of the goods.

It is, however, a static theory. The actual world is dynamic. All the factors assumed to be constant are in fact constantly changing. Competition is never perfect; mobility of labor is restricted for various reasons; all labor is not of the same grade; remuneration to other factor of production does not remain constant; and the prices of the products of labor vary. All these changes modify the theory when applied to actual conditions. The theory, however, as an assertion of a tendency is true and is valuable in understanding the basic forces that determine wage rates.

In the real world, owing to the absence of the above assumptions, there is no single rate of wages that may be applicable to all labor of a particular type. Wages differ from place to place, from person to person and from employment to employment.

The following further points of criticism may now be noted:

- (i) This theory has little applicability to reality. The labor is not perfectly mobile. Workers of the same skill and competence may not obtain the same wages at two dissimilar businesses.
- (ii) Though the conditions of a large number of independent sellers are fulfilled for a few industries of all countries and for most industries of some countries, the employers usually combine to the disadvantage of the worker. It is a case of monopsony, i.e., one consumer and many vendors, the employers succeed in pulling downward the wages beneath the worth of the marginal net product of labor. If employees are also collectively organized, the wages may or may not be equal to the values of marginal net products of labor in the occupations or industries concerned. The wages are determined by the comparative negotiating strength of the two parties but will in no case exceed the value of the marginal net product of labor.
- (iii) The market for goods is in general characterized by imperfect competition..
- (iv) The efficiency of workers is also reliant on aspects such as the value of capital and competent administration. These factors are outside the control of workers.
- (v) This theory may not be applicable in case of service sector because there is no physical product.

#### Conclusion

In short, the marginal productivity theory ignores the effect of wage changes on the supply of labor, bargaining strength and monopoly conditions, etc.

### MONOPSONY It is a kind of market smeline where we have many Sellers but one bygers usually this term is used for imperfect Labour Market. Monogranist is a wage maked However, employ workers up to that extent where MRP = MFC. Since he is a wage marker hence as an additional unit of Labour is employed, wage rate have to be uneversed (AFC) unit of MFC Sinu, the TFC (#) (+) Woncen. . 5 5 45 wage maker, 10 20 15 Therefore, Change 45 25 15 80 un MFC is 35 20 45 125 Louble as 25 MFC Compare to AFC = S . He change in AFC. this is why MFC Pinso MRP more quick! then the AFC. No fworker. Monofesonin always fay woncers according to their Willingness 1.e. AFC, Lone WR Will be OWR

Ivade Union is an organization formed boy workers to their rights and unterests. I race limons are formed to Strangthen Dargaining Power of workers Irade unions have objectives like, increase in wage ratio to umfrome working landitions and environment, to be duce Sedundenties to eliminal Unfair dismisals, to develope bother aelati between employer and employees, to Workers etc. Iraditionally, increase in wage late is the a trade union Primary objectives Increase wases, I vade uman negotiali the employer. If negotiation are successful no further action is taken in Case go slow Policy Faslure, Trade uman may 104 where deliberatly workers slow down the as a Result Production of talls and Cost of Production rises. In overtime ban, workers refine to work in over time as a result firms are unable to meet orders and Juffer Sometimes they we Non-Co-operation Technique, where they do not conferate with any change is brought.

Strike is the last Resort for workers where they refuse to work. As a result Production Process is Stopped and firm incur huge loss When does trade union influence wafe Rates if labour lost is making small proportion to of the total cost. - If there is no close substrait available for Labour. If Level of employment is high. If demand for the product is unclastic, and any line in pria du te uncrease in wage Nati does not have a Considerable affect on demand for the product. - If firm is climy in numbers and financial Why are trade union loosing their importance Gout Liscourges trade unions because - Trade unions waste economic Sesources du to strike - Irade umans cause unemployment due le higher wases - Economic growth falls due to fall in Productivity - Foreign Direct Investment (FDI) falls, because MNP, are Seluctant to unwest in Such commiss which have strong trade unions.

Muhammad Rafi Khan

Due to Increase in part-time workers Du to increase in females Participation late I vale umons in Perfectly Competative Market Gout-Intervention WR WR. Nº N'Nº O'N, of workers are employed at OWR, wave nat. As trade union Good internene WR mereases to OWR, as a result demand for Labour fulls to DN2 and NIN3 Workers are made Redundend However, of market needs more worker, can afford to employ additional worker up to ON, at the same ways call However beyond ON. higher wages must be fiven. This is why S. cum shape is just like in fig. 2. In Perfect market as trade union Intervene, Unemployment priors

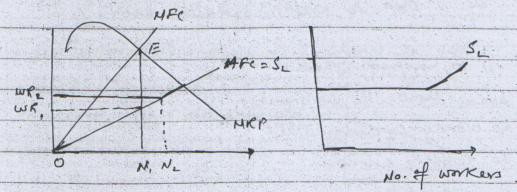
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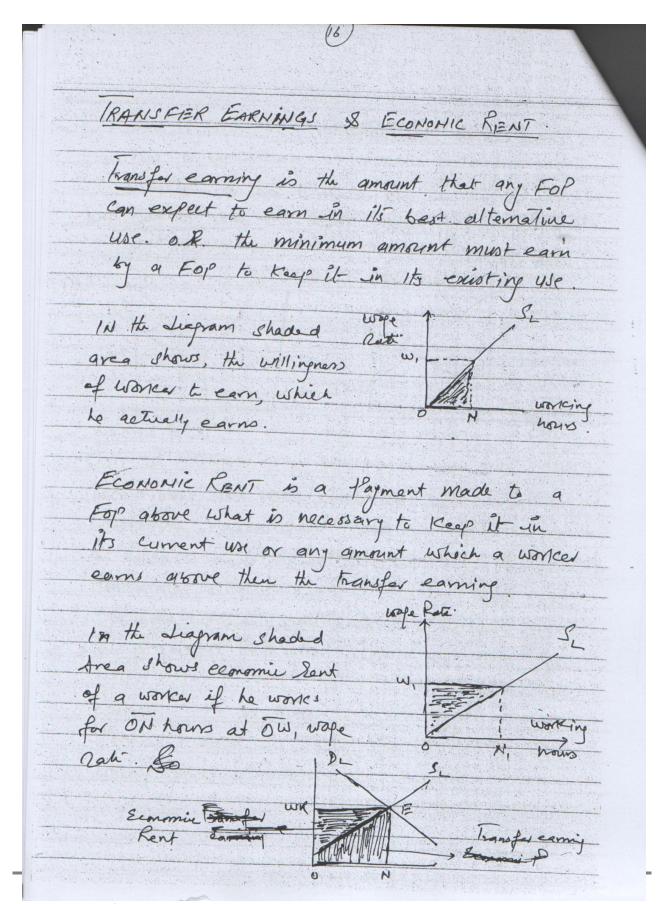
# TRADE UNION & MONOPSONY

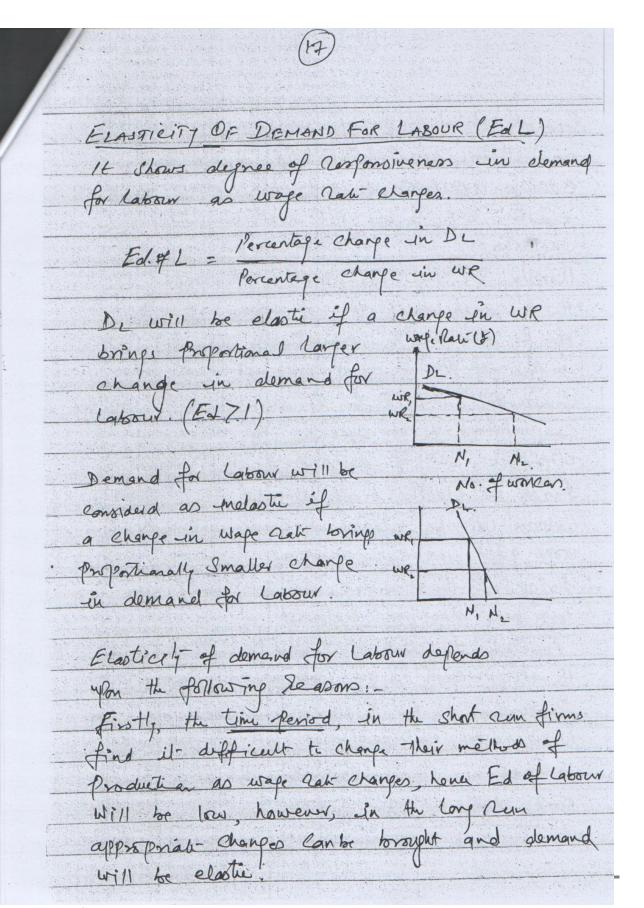
- This silvation is called as bi-lateral monophies, where there is one buyer and one sever.



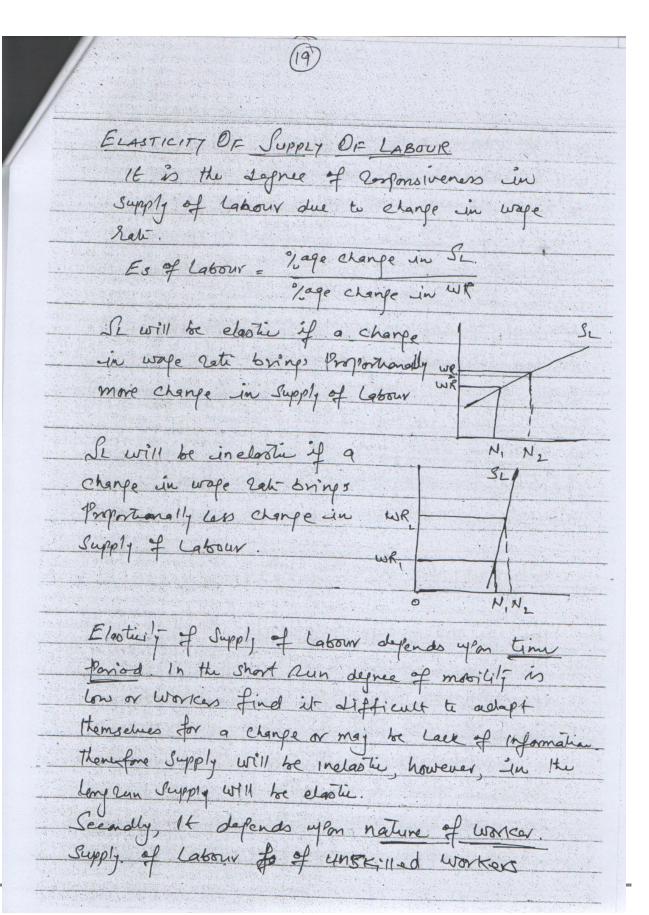
As trade union intervenes wape rate increases from DWR, to DWR, However in manopsony monopsonist Prefer to employ more workers as Trade union intervenes or govt applies minimum wape rate at 8 the same wape rate, but beyond ON, will have to raise wape rate to employ more workers.

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Secondly, it deplends upon number of substitute and their availability. if substitutes are easily available demand for Labour will be clastic but if are not available will be Inelastic Thirdly, is the Price elasticity of domand for the product which they froduce If PED of the product is consinctastic, then any rise in fries of the Product does not have any Considerable impact for its demand, hence employed Can afford to en increase Pay Increased was lat f demand of the product is Price on clastic, firms' demand for freduct Laborn will be elastic, because uncrease in wase later increases lost of froduction and Price of the Product, as a result may loose many of customers. Fourthly the lost of Labour as proportion to the total cost A If Labour Cost maices laye Proportion to the total cost demand for Labour will for spelastic, but, if labour lost is making small flooprotion to the total lost, demand for Capour Will be Inclustic.





will be elastic but Supply for skilled workers Will be include toccaux confer time is required to train them. Thirdly, if law of employment is high, it is difficult to uncrease even supply of unskilled Workers here Supply will be inclusive but If level of employment is low, even supply of SKilled workers I can be energed easily and Supply becomes elastic Fourth factor, which effect Supply of this labour is training facilities. If Sufficient training facilities are available supply will be elastic otherwise unetastic. BLASTICITY DE SUPPLY RE LABOUR & ECONOMIC RENT There is an inverse relationships between Es of labour and economic Sent. Higher the elasticity less will be the economic Sent Supply of highly skilled woncers is inclustic, therefore large Proportion of their incor is made to economic Sent we

Film, T.V and Sports stars have unique takent therefore their supply is perfectly inelastic this is why, all part of their income is made of claramin Kent. on the other hand WR Supply of Labour Economia of unskilled workers is perfectly elastic. Therefore, all of their yneome is made by transfer earning and Transfer Concomic Sert will be carning zero. Supply CURVE OF An Individual MOTKER According to economics theory work is considered as an inferior food Therfore as wase law-

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Systitution affect, which enforce that as

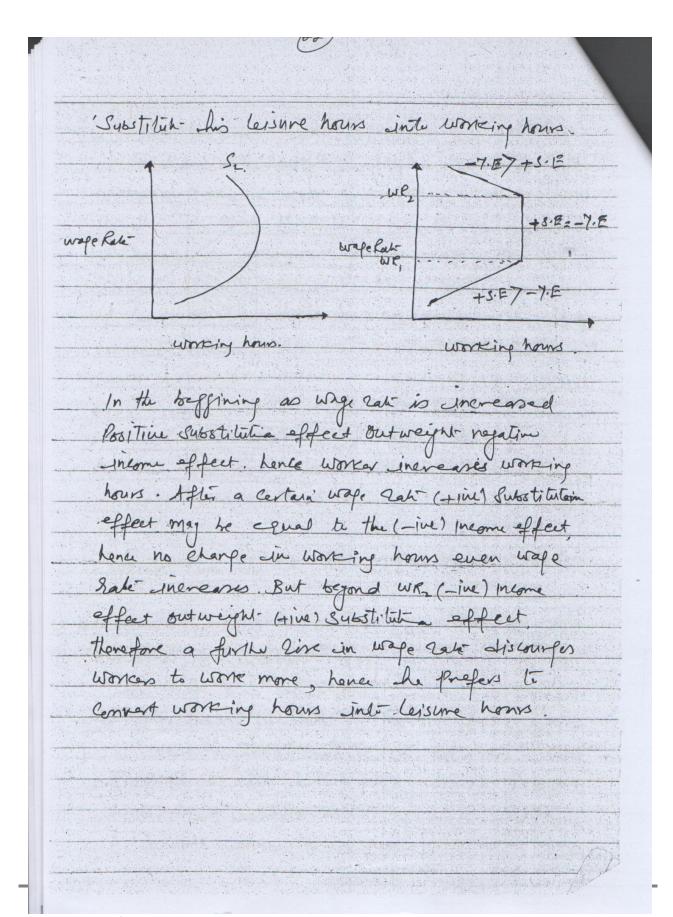
wage Put is increased worker should

the reases, income increases and fall in

effect on work as income changes

demand for work. So there is negative income

However on the 8ther hand there is a Positive



## REASONS FOR WAGE DIFFERENTIAL

According to Blonomics Theory workers are Paid according to their MRP. Higher the MRP more Will be the wage 2at and vice versu. MIRP is the contribution of a worker to Total Soverme of a firm - Another Reasons for wage differential are Stills and qualification. Highly skilled and qualifie d'écopole Will get bette worker as Compared to Porry skilled or low Enalified workers for example, in a bank an accountant gets higher wafes as compare to a Cashier. Experience make worked more for ductive therefore experience workers get better wage Pat as Compare to young workers even in the Same occupation - Higher play may be given as Compensation or Reward for Sisk-taking, working in foor Condition and having to work unsocial hours Discrimination is other factor for wafe differential Female workcors get low wage rate on querage as Compare to male workers even in the same occupation. That discrimination lan be taken Place on the borns of colour, age and Region

Demand for or Supply of Labour also effect the water Pali- If demand increases more than the Supply of Workors them water Pali- in an occupation or legion or industry water Pali- will be increased due to an excess a demand. On the other hand if there is an excess supply of Labour due to Disc in Supply wage rate falls or low.

- In Just organization which have strong trade
union will pay higher wasos as compare to
those which do not have trade union. Trade
union more influences wose rate by controlling
the Supply of Labour Through "closed shop soling.

- Then workers get higher wafes which earn more of the economic sent go compare to transfer earning carning. Workers who have low elasticity of supply due to unique talent or highly skilled will get higher wafes, where as, worker who don't have more sky've or unakilled worker have high elasticity of supply will get low wag rate.

