

## M A Economics Semester II

Paper: Macroeconomics (CC 08)

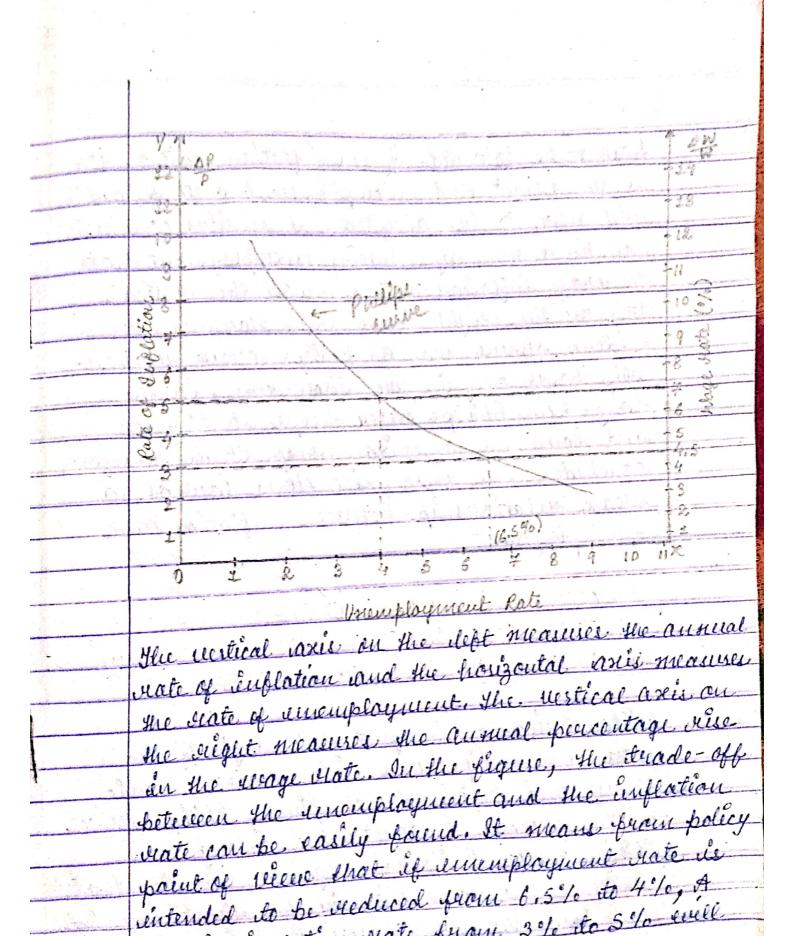
**Topic: Phillips Curve** 

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3. J. What is Phillips curve? How does it explain

- Introduction: The relationship between Enflation and ememployment has been a controversial essue. The neo-classical economist held the tiene that unflation whose not affect the level of nemembdoguent : Houseurs, en 1958 A.W. Phillips, a British Economist a professor at Loudan School of Economist prought out a study of Julationship between seneuplognant and the change in money wage vates or auflation. Phillips found an inverse relateouslip between the cente of changes in the money recage viate and the state of ememployment. He presented the inverse relationship between the change in enflation and the vate of unemployment in the form of a curve called "Phillips curve The general Conclusion that is drawn from Phillips empirical fending is that a viese in money wage rate or inflation reduces the rate of einemplagment and a fall en money reages or enflation increases the deate of encuplaquent, from polecy point of reier, the Phillips curve implies that there exist a trade off between

Nate of sencemployment and the enflation i.e. is dones rate of unemployment can be achieved only by increased rate of inflation. The itrade off means that in certain erate of implation can be itreated for some that of ememployment or in other seconds, in lours viate of ememployment can be achieved only at the cost of higher viate of inflation. The Phillips curve provides a large muniber of such trade of points. The trade off between enflation and ememployment has a very unportant policy implication. Cinen the inflation and ememployment mate, combination policy makers get a number of trade off paints between suplation and ememployment to reidely used form of the theoreter and hypothetical phillips curve is given in the figure belone:



in inflation vate from 3% to 5% evell

han to be tolerated. If an inflation wate of 3% is, the target and unemployment veate of 6.5% will have to be accepted. A similar conclusion can be drawn by Muking enoughourent veate ito wage inflation veate given on the vestical wais on the veight hand side. However, recent evidence shows that the Philips, curve helation—ship holds only in the short run. In the dong-run, Philips were keeps shifting up and down in a spiral way. It is therefore concluded that there exist either down of a weak, velationship between wiflation and unemployment.

The LONG RUN PHILLIPS CURVE: FRIEDMAN'S, ECKSTEIN, BRINNER'S Theory
of NATURAL RATE OF UNEMPLOYMENT:

Mélton Eréedman éntegrated the logic of the short ruen Philips curer énte macro commic theory and explaened the spénally Philips, curre fu the process, he constructed a long ruen flittips curre. Exéculan began by showing that Philips curue holds only in the short ruen fu the day only in the short ruen. In the day only in the short ruen.

nate of ememployment unraterus the mate of suffaction. This mote of unemployment he calls the natural viate of unemployment. The natural viate of renemplayment ring subsequently termed as the "Non Accelerating Inflation Rate of Unemployment" (NAIRU). Friedman argues that NAIRU counct be eleminated permanently by means of expansionary, monetary and fiscal policies of the gout. The expansionary policies may only accelerate the vate of inflation and cause an upurard shift ien the Phillips ource showing higher vate of enemployment and inflation. In the alternate analysis, the Philips cure becomes a restical line. This is the gist of the Freedman's theory of natural vente of unemployment. Friedman's dong run Philips curve is not the end of the depate on the relationwhip between the rate of employment and the rate of inflation. During the early 1970s Otto Stram, Rober Brinner and James Tobby made further modification ien the doing seen Philips arree ble present here Edution, Bruiner Many Men Philips curve. Although the

economist agree with Briedman proposition that there is no itrade off between unemploymen rate and inflation rate below critical rate of ememployment Houses, they content that beyond the critical rate of ememployment and below a certain rate of inflation, There, thus exist a trade off between unemployment and Inflation. Their theory is presented in the given figure Edestein: Bringer Rate of everiployment In this figure, le marke Edicedman's

natural viate of incomplayment tubicle in same ias Eclistein Brinner's critical viate of incomplayment. The dine LPL in Friedman's dong view Phillips curve. Colestein Brinner agreed that at the critical viate of immer layment De and beyond a certain viate of inflation i.e., To, there is no trade of between the viate of immerphasement beyond Ve and the viate of inflation To. Housewer, incoording to them, there days exist so viate of inflation below To.

## POLICY IMPLICATIONS OF THE LONG RUN PHILIPS CURVE:-

The theory of natural wate of unemployment or Friedman's long own Phillips ourse has two important policy implications:

I. There is a principle devel of enemployment unduction economy will have to tolerate in the dang run, this unemployment cannot be reduced in the dang run through policy measures. It can be suduced for a short

## while only at the cast of inflation.

2. Secondly, the efforts to contain enumplayment below its natural vate and inflation
wate below one associated with the natural
wate of ememployment brave a spreat chance
of praviding unproductives. Such effort
instead first make the economy go through
a phase of lane reate of sememployment
and high vates of inflation and their a
thigh water of implation and high
uater of implation.

## POLICY DILEMMA :- WHAT IS DESIRABLE INFLATION OR UNEMPLOYMENT?

The Controversey on the slope of Phillips cerry, the economists generally agree that there is a trade off between sincuployment and inflation in the short view. It means that inflation and simultaneously, If inflation is controlled, it may clear to an increase in employment and if smemployment is controlled, it may cause inflation. This controlled, it may cause inflation. This is antrolled, it may cause inflation. This is antrolled, it may cause inflation. This

that all expectations are satisfied and that people correctly auticipate the future inflation dates. Cuitice point out that people do not anticipate inflation clates correctly, particularly when same prices are almost certain to visc faster show others. 4. Friedman accepts the possibility that the long-dem phillips cirue night not fint be Mestical, but could be positively sloped einth increasing doses of inflation deading to encreasing unemployment. 5. Some economists have argued that wage rates have not increased at a high rate of ememployment. 6. It is believed that western have a money Illusion. They are more concerned with the increase in their money wage ventes than real ringe rates. 7. Some economists regard the natural reate of unemployment as a mere abstraction because Friedman has not treed to define it in concrete terms. 8. Saul Hyman has estimated that the songrun Phillips curve is not lestical but is negatively sloped. According to Hyman, the

if we are prepared to accept an increase in inflation water.

CONCLUSION :-

The decision wakes it clear that the policy makers, un developed countries are faced with a Courel delemma in their efforts to find an acceptable combination of inflation and unemployment. The logical Conclusion that follows it that attempt should be, to keep the enemployment eate close to its stateral scale but the concept of the natural seate of ememployment itself in a feizzy concept. Too many economist accepted that the iterm natural deate of rememployment is missleading and and the natural rate of renemployment is en no recay natural. It, this very from country ito country, from time to time and from condition to condition and also at the same point of time in the same country. It leeps changing following the deniographic changes in the labour forced, the historical devel of ememployment, the goute policy towards social evelfare and so on Some

