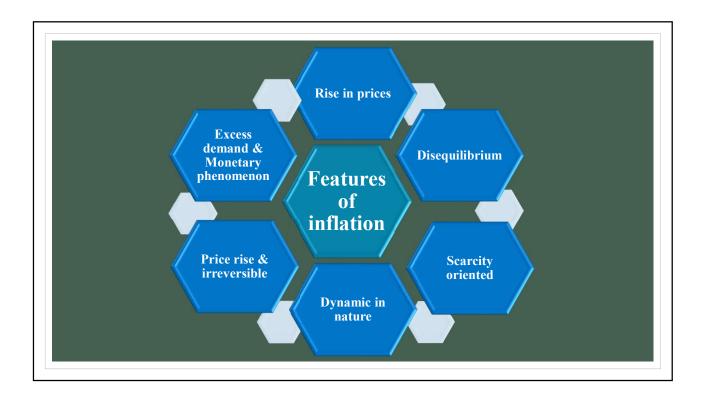
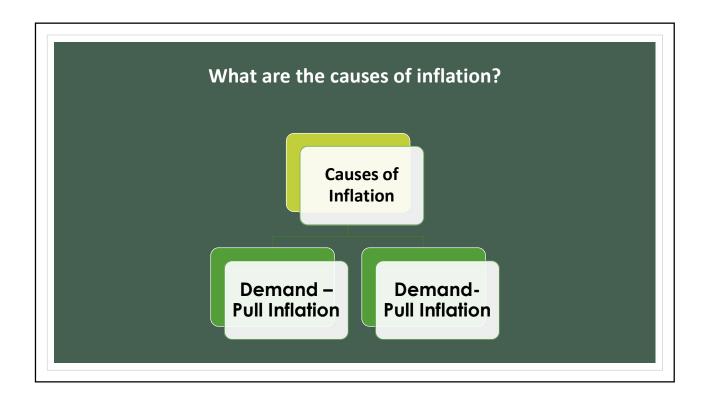
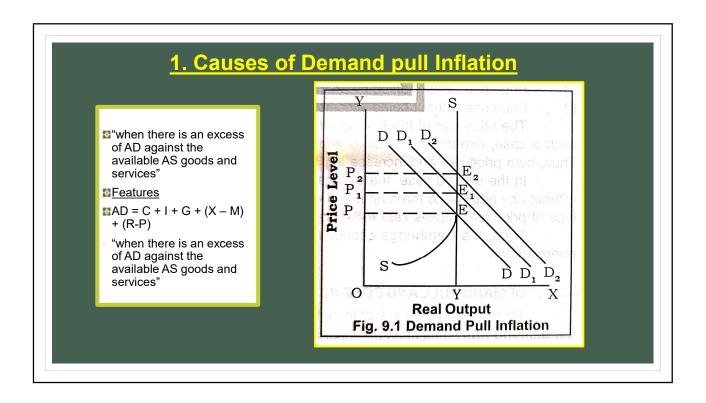


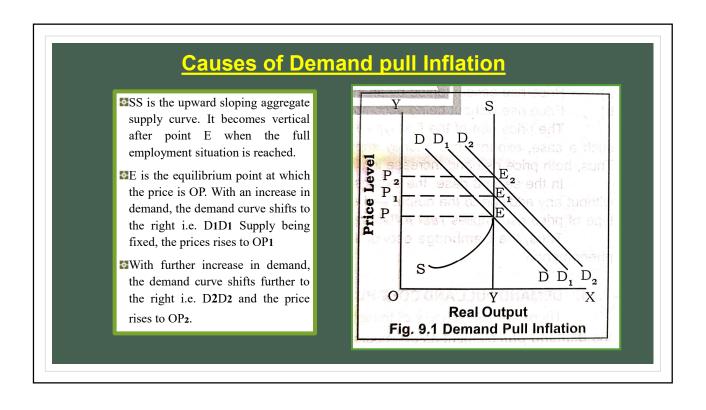
INTRODUCTION

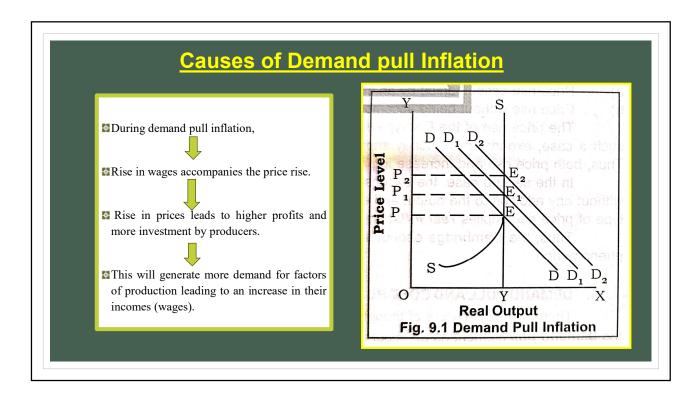
- "inflation is a state in which the value of money is falling i.e. the prices are rising". ... Crowther
- ""inflation occurs when the general level price and costs are rising".... Samuelson
- ""increase Price after the level of full employment is reached is true inflation".. J. M. Keynes











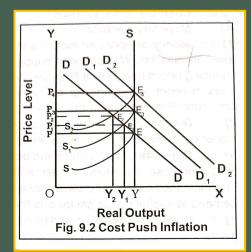
Causes of Demand pull Inflation

- 1) <u>Increase in the quantity of money when the economy is operating at the full employment level</u>: When the quantity of money increases, rate of interest will fall leading to an increase in investment, money incomes, aggregate consumption expenditure and effective demand. Thus when aggregate demand rises faster than aggregate supply, prices rise.
- 2) <u>Increase in government expenditure</u>: When the state expenditure is in excess of its revenue, the government may resort to deficit financing. This implies an increase in money supply creating excess demand and inflation.
- 3) <u>Increase in MPC and MEC</u>: An increase in marginal propensity to consume or marginal efficiency of capital will raise consumption and investment expenditures. This leads to an increase in aggregate demand and inflation.
- 4) The burst of pent-up demand: The pent-up excessive demand accumulated during the war period bursts open and supply lagging behind prices rise.
- 5) <u>Increasing exports</u>: An increase in export earnings leads to excess demand for goods causing prices to rise.

2. Causes of Cost Push Inflation

- 1. Cost-push inflation may be due to either wage-push or profit-push. When there are monopolistic labour organisations, prices may rise due to wage-push.
- 2. When there are monopoly elements in the product market, the monopolists may raise the prices to fetch high profits. This would lead to **profit-push inflation**.

Profits are generally a small fraction of the total price. Wages constitute a large fraction of the total price. Hence cost-push inflation is mainly due to wage-push.



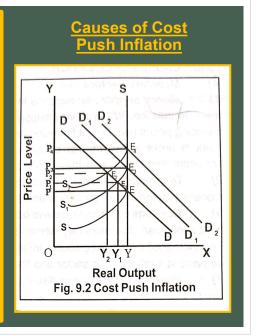
SS is the upward sloping supply curve which becomes vertical at the full employment level OY. DD is the original demand curve and the equilibrium pot is E at which the price is OP.

With an <u>increase in wages</u> the supply curve shifts upward to the left ie. S1S. The new equilibrium point is E1 and the price rises to OP1 . Point E, indicates that the level of output and employment declines from OY to OY1 Thus a rise in wage reduces employment.

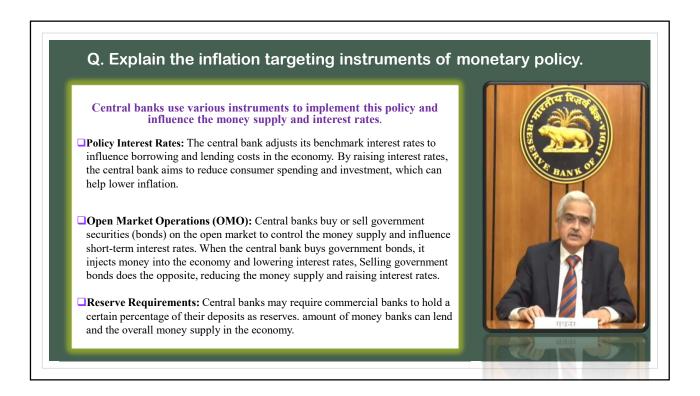
When the trade unions demand still <u>higher wages due to price rise</u>, the supply curve shifts to S₂ S. If the demand curve remains DD₂ the new equilibrium point is E, an the price rises to OP₂ This will again lead to unemployment (OY₂).

In order to maintain full employment, the **government will increase its expenditure**. creating more demand. The demand curve shifts to the right **D1D1**. The full employment equilibrium point is E3 and the price will rise to **OP3**

The government will undertake <u>more public expenditure to increase employment</u>. This will increase demand and the demand curve shifts further to the right i.e. D₂D₂. The full employment equilibrium is **E4** and the prices rises to OP4 Thus <u>the wage-price spiral develops</u>.







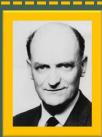
Inflation targeting instruments of monetary policy.

- RESERVE BANK OF
- Forward Guidance: Central banks often communicate their future monetary policy intentions to guide market expectations, interest rates or other policy actions to influence consumer and investor behavior.
- Quantitative Easing (QE): during deflationary pressures, central banks may implement quantitative easing. This involves purchasing long-term government or private sector securities to further reduce long-term interest rates and increase the money supply.
- □ Inflation Forecasts and Targets: Central banks set explicit inflation targets (e.g., 2% annually) to guide their policy decisions.
- □Currency Intervention: Central banks may intervene in foreign exchange markets to influence the value of their currency. A weaker currency can boost inflation by making imports more expensive, while a stronger currency can help reduce inflationary pressures.

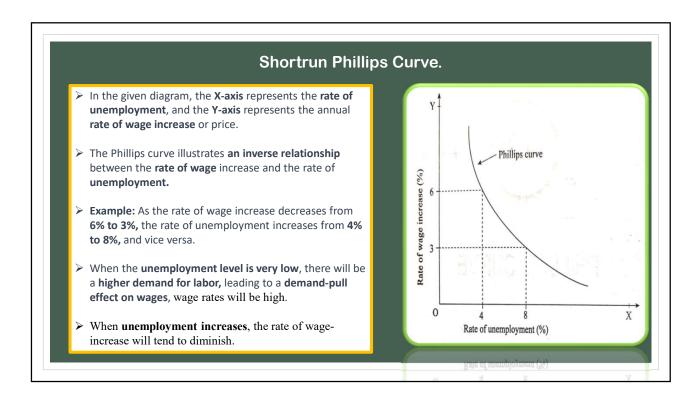
The effectiveness of these instruments may vary based on the specific economic conditions and the responsiveness of various stakeholders in the economy. Central banks often use a combination of these tools to achieve their inflation targeting objectives.

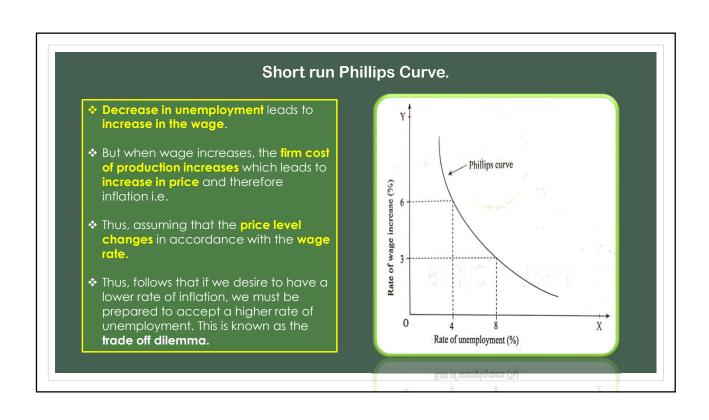
Q. Explain short run Phillips Curve.

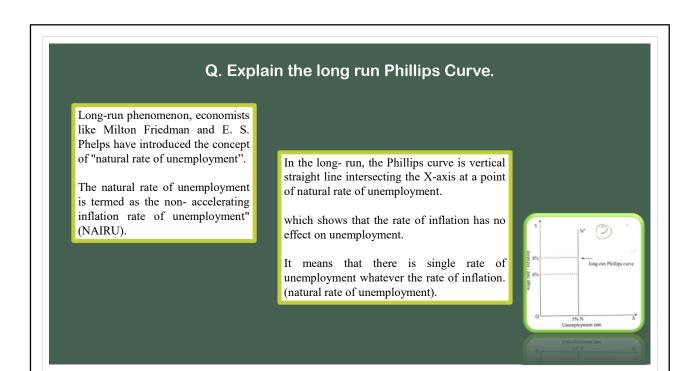
- ☐ Prof. A.W. Phillips introduced the Phillips curve, an empirical theory of inflation.
- ☐ In his article titled "The relation between unemployment and rate of change of money wages in the United Kingdom, 1861-1957," he demonstrated a correlation between the rate of wage increase and the rate of unemployment.
- ☐ By studying the economy, Prof. Phillips illustrated the connection between the percentage of wage increase and the percentage of unemployment using a curve he coined as the 'Phillips Curve.'



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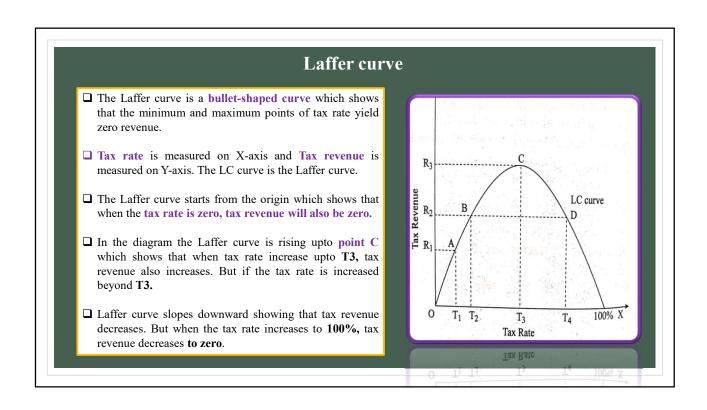




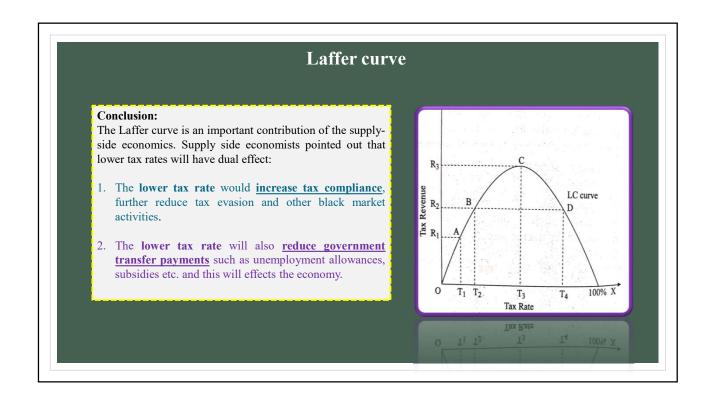


Long run Phillips Curve. economy currently experiences unemployment rate of 5%. The government believes that this rate is too high and decides to implement expansionary fiscal and monetary policies to boost aggregate demand. As a result the unemployment rate decreases below 5%. In the short run, more jobs are created, leading to increased bargaining power for workers who demand higher wages. This, wage rate / Inflation % in turn, causes production costs to rise, leading to higher prices in the economy. The increase in wage rates ultimately pushes long-run Phillips curve the unemployment rate back to its original level of 5%. In the long run, the Phillips curve takes the shape of a vertical straight line (NN) intersecting the X-axis at the point of the natural rate of unemployment. It Indicates that the economy cannot achieve lower unemployment at the expense of higher inflation in the long run. Instead, the economy settles back to its natural rate of 5% N unemployment with higher prices and wage rates, but no Unemployment rate change in the unemployment rate.

Q. Define Laffer curve to show the relationship between tax rate and tax revenue. Ans: Introduction: A supply- side economist, Arthur Laffer has shown the relationship between tax rates and tax revenue with the help of a curve called " in the 1970s. . * The Laffer curve illustrates that raising tax rates can boost revenue up to a certain point but beyond a limit it decrease tax revenue. * This occurs due to the negative impact on incentives for work, saving, and investment beyond that limit. As a result, there is a subsequent decline in national output and income.



Laffer curve For example: if tax rate increase from T1 to T2, tax revenue also increase from R1 to R2, when tax rates increase to T3, tax revenue increase to R3. But when tax rate increase beyond T3 i.e. T4, tax revenue falls from R3 to R2. LC curve If the tax rates is increased to 100% then, the people will not have any incentives to work, save and invest and therefore tax revenue will reduce to zero. As a result, national output, income and employment decrease and this proves disastrous for the economy. 100% X T_1 T_2 T_3 Tax Rate



Q. In a closed economy investment of Rs. 500 Cr. takes place. The marginal propensity to consume in this economy is of 0.60. What will be the national income in this economy? Calculate the investment multiplier. Show your working

Ans:

> calculate the national income and the investment multiplier, we can use the formula for the multiplier in a closed economy:

Multiplier (mm)= 1 / (1 - marginal propensity to consume)

Given that the marginal propensity to consume (MPC) is 0.60:

(mm) = 1 / (1 - 0.60) = 1 / 0.40 = 2.5

Now, to find the national income, we'll use the formula:

National Income (Y) = Investment (I) x Multiplier

Given that the investment (I) is Rs. 500 Cr., and the multiplier is 2.5:

National Income $(Y) = Rs. 500 Cr. \times 2.5 = Rs. 1250 Cr.$

So, the national income in this economy will be Rs. 1250 Crores, and the investment multiplier is 2.5.

Home work:

Q. In a closed economy investment of Rs. 1000 Cr. takes place. The marginal propensity to consume in this economy is of ¾. What will be the national income in this economy? Calculate the investment multiplier. Show your working.

Q. In an economy new investment of RS. 2000 Cr takes place. MPC of this economy is 0.70. What will be this economy's national income? Calculate and show your working.

