

AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH

Final Assignment Total Marks: 20

FACULTY OF BUSINESS ADMINISTRATION DEPARTMENT OF BBA

PRINCIPAL OF ECONOMICS

Fall 2023-2024

Section: I

Group No: J

Course Teacher

AHMED FARAH ULFAT

Submitted By

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Ans no: 1 nomina ordP= & (Pc × Ose); Real GdP = & (PB × Ose)

(a) fore 2010:

nominal GCDP= (9×200)+ (20×150)

Real GEDP = (9×200) + (20×150) = 4800 A

Gr DP dedlator = Nominal GrDP 2010

Real OrDP 2010

= 4800 = 1 A.

for 2011:

nominal GDP = (10 × 300) + (22 × 200)

= 7400 A

Real GDP = (9 × 300) + (0 × 200)

= 6700

1

CEPP detlator = X400
6200

=1.109

A-

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for 20128

Nominal GDP = (12×300) + (240 × 200)

Real GEDP = (9 × 300) + (20 × 200)

= 6700 A

GDP dellator = 8400

= 1.25 p.

(b) fore 2011:

percentage change in nominal GDP = 7400 - 4800 X100

= 59.16 %

porcentage change in Real GDP = 6700-4800 X100

= 39,5810 L

percentange change in GDP deflatore 1.104-1 x100

=10:410

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percentage change in nominal GDP = 8400-7400 X100 = 13.51 9.

percentage change in Real GEDP = $\frac{6200 - 6200}{6200}$ ×100

percentage change in GDP deflator: 1.25-1.104 ×1004 = 13.23 1.

2) (a) CPI of 2007 is =
$$\frac{(50 \times 10) + (20 \times 13)}{(50 \times 10) + (20 \times 13)} \times 100$$

= 100%.

CPT of 2008 is =
$$\frac{(30\times10)+(32\times13)}{(50\times10)+(20\times13)}$$
 × 700

$$CPT 6 + 2009 in = \frac{(20 \times 10) + (44 \times 13)}{(50 \times 10) + (20 \times 13)} \times 100$$

b) Inthin Role for 2008 is =
$$\frac{CPI(2008) - CPI(2007)}{CPI(2007)}$$
 x 100 = $\frac{24.21 - 100}{100} \times 100$

Intlation Pale for 2009
$$4 = \frac{CPI(2008)}{CPI(2008)} \times 100$$

$$173.68 - 24-21$$

$$=\frac{173.68-94-21}{94.21}\times 200$$

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Section : I

Answer to the Question no. + 3

(a)

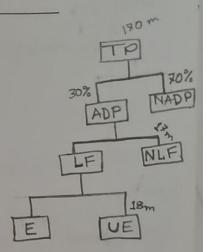
Given that,

Total Population = 170 million & rate of Not adult Population 70%

.. Not adult population= (170x0°70) million

= 119 million

... Adult population = (120-119) million = 51 million



here, Not in Labor population is 17 million and unemployed 18 million

Ans.

(b) Four recognons why firms might pay efficiency wages;

i) Worker health?

Paying higher wages allows workers to eat better, makes them healthier, more productive.

PP) Workers turnoverse

Hirring and training new workers ies costly. Paying high wages to existing workers gives more incentive to slay, reduces turnovers.

Offering higher wages attracts better gob applicants, increases quality of the firm's workforce.

IN) Worker effort &

If market wagers above equilibrium wage, there wen't enough jobs to go around, so workers have more incentive to work not shirek.

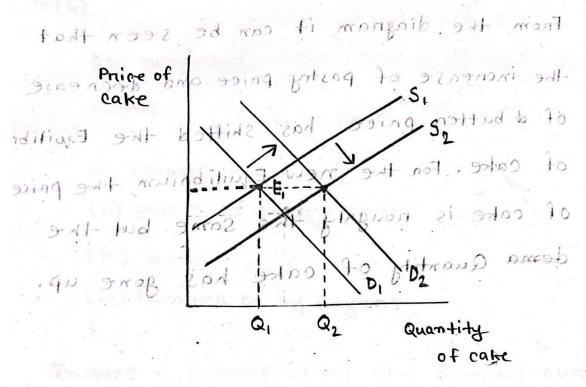
4(a). When the price of pastry increases, it will result in lessen demand from to consumers and the demand of cake will increase as cake is a substitute good of pastry.

As a nesult, we will see a night shift on the demand curve of cake as it's demand will go up due to the price increase of pastry.

On the other hand, As butter price decreased (a key ingredient for cakes), it will lead to a reduction in production costs for cake producers.

This reduction in production cost could lead to an increase in the supply of cakes.

So, the supply curve of cakes will also take a right shift.



S_= pnevious supply curve
S_z z Shifted supply curve
D_1 = Initial demand curve
D_2 z Shifted demand curve
E_1 = Old Equilibrium
E_2 z New Equilibrium
Q_1 = previous Quantity of cake
Q_2 = New Quantity of Cake

From the diagram, it can be seen that the increase of pastry price and decrease of decrease of decrease of decrease has shifted the Equilibria of Cake. For the new Equilibrium, the price of cake is roughly the same but the dema Quantity of cake has gone up.

gritmans of calm

Si= previous supply curve
Sz = Shifted supply curve
Di = Initial demand curve
Dz = Shifted demand curve
Ei = Old Equilibrium
Ez = New Equilibrium
Ci = previous Quantity of cake
Oz = New Quantity of cake

Miller of related goods: If the fall in

Determinants that can shift the demand

the price of one good in the curve in the demand and bromes and the second of the demand that is no book matters and bromes and the second of th

- fall in the price of one smoon In (i) week
 - (ii) prices of meta, related goods mans b
 - (iii) Tastes lin gunno branch gal-
 - (iv) Number of by buyers

Income Income shifts the demand curve by influencing consumer's punchasing power. An, increase in income typically leads to highter demand for normal goods, shifting the demand curve to the right.

Price Normal Goods

2 bood thitidal to some of separated

Shifted to the night

Quantita

(Increase in income)

price of related goods: If the fall in

the price of one good increases the

demand for another good or if the

fall in the price of one good Ineduces

demands for bandther good, bother cases

the demand curve will shift

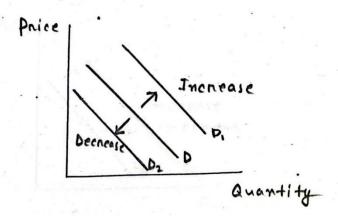
energy buyens

Income Income shifts the demand cunvinchesing punchasing punchasing punchasing punchasing punchasing punchasing punchasing the high income typically redds to high demand for normal goods 19 high thing the dem

Effect on Demand Curve due to Decrease in Price of Substitute Goods

popular of the thin

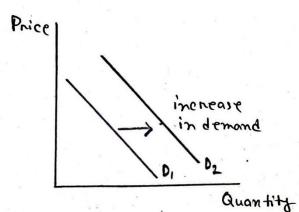
Tastes: Taste on customen attitudes can Shift other demand curve based on changing penceptions of a product. If a good becomes more popopular, the demand curve shifts rightward. Conversely, if preferences shift away from a product, the demand curve Shifts leftward.



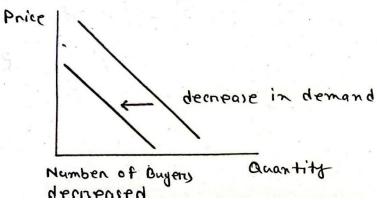
Demand Curve Shift varying on Consumers taste.

Number of Buyens: An increase in the

number of buyens typically leads to a overall higher demand, rightward shift. Commensely, a decrease in number of by buyens result in lower demand, leftward shift.



Number of Buyers in cneased



ID : 22-46444-1

Ans. to the gues. no: 5

5.0) GDP: Gross Domestic Aradvets, which tells us the nation's total income and the total expenditure on its output of boods and services.

GNP: GNP measures the total income earned by notionals. The Gross National Product is a measure of the total value of all goods and services produced by the residents of a country, including income earned abroad.

NNP: Net Notional Product is a microeconomic measure that represents the total value of all goods and services and produced by the residents of a country within a specific time period, minus the depreciation of capital assets.

NNP = GNP - Depreciation

National Income: National income measures how much everyone in the economy has earned.

Notional Income = NNP - Indirect Taxes

National income is the total monetary value of all soads and services produced by the residents of a country within a specific time period, typically measured annually.

Personal Income: Personal income is the total earnings received by individuous, households and non profit institutions serving households before the deduction of personal income taxes.

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Personal Income = National Income - corporate profits - social insurance contributions - Net interest + dividends + Governments transfers to individuals + Personal interest income.

Disposable Personal Income: Disposable personal income is the total amount of money available to individuals and households for spending and saving after personal income taxes have been deducted.

Disposable personal income = Personal Income - Personal taxes.

actions of the girls

5.b) Nominal interest rate: The nominal interest rate is the stated, unadjusted rate of interest on a loan or investment, expressed as a percentage, without considering the impact of inflation or deflation.

Real interest rate: The real interest vote is the effective interest rate after accounting for changes in the purchasing power of currency due to induction or deflation.

Given,

Nominal interest rate = 7%

Real interest note = 5%

Inflation rate = ?

We know,

municipal man

Real interest rate = Normal interest rate - Inflation rate

> Inflation rate = Nominal interest note - Real interest rate

= 0.02

.. Inflotion rate = 2%

(Ans:)