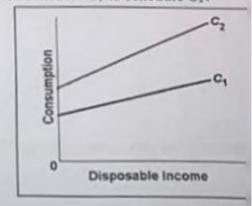
#### CHOOSE THE CORRECT ANSWER (45%)

- 1. Kamal is searching for a job, but he can't find because he does not have enough skills in technology. Kamal is considered to be:
- A. structurally unemployed
- B. frictionally unemployed
- C. cyclically unemployed
- D. employed
- 2. Unanticipated inflation:
- A. invariably leads to unemployment
- B. reduces the real incomes of flexible-income receivers
- C. has the same economic consequences as anticipated inflation
- D. D. redistributes income from creditors to debtors
- 3. If the natural rate of unemployment is 5.5% and the actual unemployment rate is 6%, then, according to Okun law the GDP gap is:
- A. 6%
- B. 3%
- C. -1%
- D. -2%
- 4. In which of the following industries or sectors علامان ( of the economy will business cycle fluctuations like' have the greatest effect on output?
- A. oil products
- B. textile products
- C. agricultural commodities
- D. capital goods
- 5. Potential GDP is defined as domestic production with:
- A. zero unemployment rate
- B. unemployment equal to frictional and structural unemployment
- C. zero cyclical unemployment
- D. B and C
- 6. The consumption schedule is:
- A. an inverse relationship between consumption and the price level
- B. a direct relationship between consumption and disposable income
- C. an inverse relationship between consumption and saving
- D. an inverse relationship between consumption and the tax rate
- 7. Which of the following might have caused the shift from consumption schedule C1 to schedule C2?
- A. An increase in disposable income
- B. An increase in household wealth
- C. An increase in household debt
- D. An increase in taxes
- 8. If consumption and disposable income are equal at a particular level of income:
- A. the MPC must be one at this point
- B. the MPS must be zero at this point
- C. the APC must be less than one at this point
- D. saving must be zero at this point



25. A restrictive fiscal policy can shift:

A. the AD curve to the right

B. the AD curve to the left

C. the AS curve to the right

D. the AS curve to the left

26. The purchasing power of the dollar:

A. increases with the rate of inflation

B. is inversely related to the price level

C. is directly related to the supply of money

D. is directly related to the price level

27. Writing a check to purchase a new computer is an example of using money primarily as a:

A. unit of account

B. standard of value

C. medium of exchange

D. store of value

28. If the current interest rate is below the equilibrium rate:

A. the money supply exceeds the quantity of money demanded

B. the money supply will increase and the interest rate will rise

C. the money supply will decrease and the interest rate will rise

D. the interest rate will rise and the quantity of money demanded will decrease

29. A decrease in the money supply will:

A. raise interest rates, reducing planned investment and GDP

B. raise interest rates, increasing planned investment and lowering GDP

C. reduce interest rates, increasing planned investment and GDP

D. reduce interest rates, reducing planned investment and GDP

30. Which of the following is included in M2 but not M1?

A. Currency held by banks

B. Small-denominated time deposits (less than \$100,000)

C. Credit card balances

D. Large time deposits (at least \$100,000)

## PART III SHORT ANSWER QUESTIONS

### Question 1 (6 points)

Complete the following table:

| Year | CPI | Rate of annual inflation | Years to double |
|------|-----|--------------------------|-----------------|
| 1    | 100 |                          |                 |
| 2    | 108 |                          | -               |
| 3    | 120 |                          | -               |

### Question 2 (12 points)

Given the following data, compute what follows:

Thousands of people

Labor force

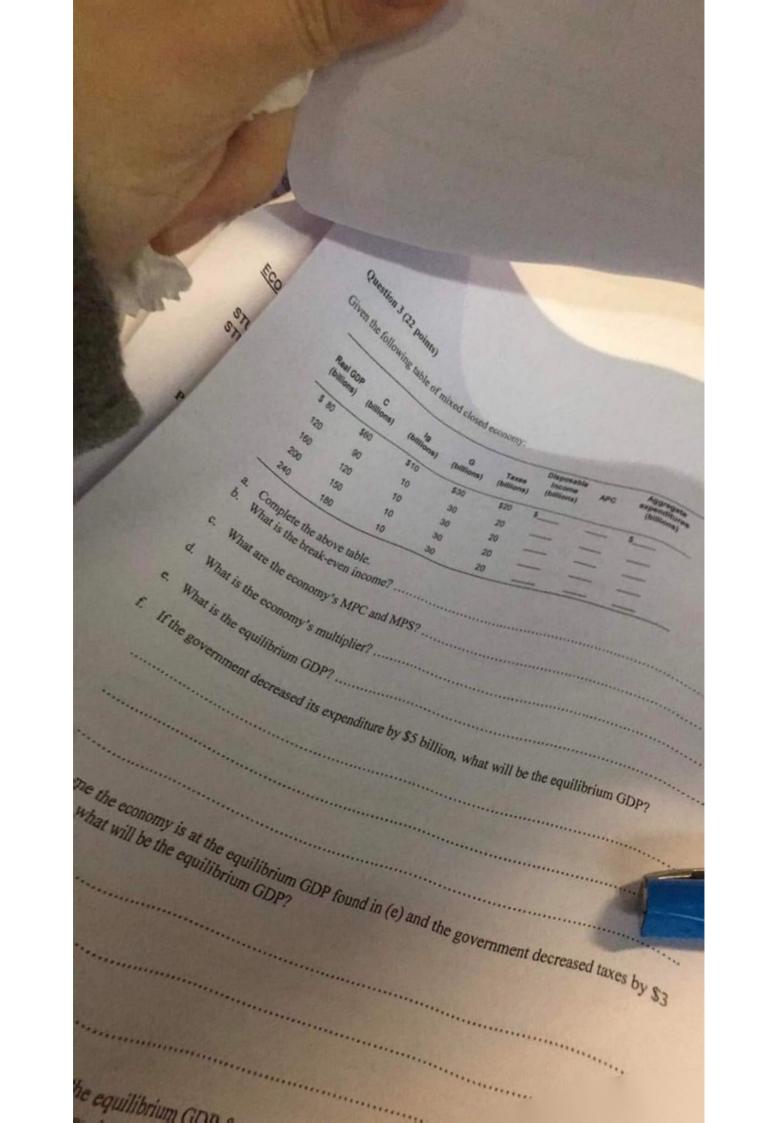
Frictionally unemployed

Structurally unemployed

Cyclically unemployed

24

| a. Total unemployment rate;  |  |
|--|--|
| b. Natural rate of unemployment:   |  |
| Use Okun's law to compute the GDP gap in percentage points:                    |  |
| If you know that potential GDP is \$200 billion, what is the value of the GDPg |  |



| • | b 10 miles and the contract of |  |
|---|--|--|
|   | Total unemployment rate:   |  |
|   | Total unemployment rate:   |  |
|   | 5.44   |  |

Question 6: (11 points) Lies this aggregate demand aggregate supply schedule for a hypothetical economy to answer the following questions.

| leswing questions.  |                                 |  |
|---|---------------------------------|--|
| And<br>demonstra<br>congret<br>demonstra<br>(as<br>1 XXXX | Price                           | Short<br>dermaking<br>outputs<br>(an<br>(in  |
| 4000<br>4000<br>4000<br>7000                              | 350<br>300<br>250<br>250<br>150 | \$4000<br>8400<br>7000<br>8600<br>4000   |
| \$000   |                                 | County of Assessment of Participation of |

a. What will be the equilibrium price level and quantity of real domestic output?

If the quantity of real domestic evapus demanded increased by \$2000 at each price level, what will be the new equilibrium price level and quantity of real domestic evapus?

a Using the original data from the table, if the quantity of real domestic output demanded increased by \$5000 and the quantity of real domestic output demanded increased by \$5000 at each price level, what would the new equilibrium price level and matrice of real domestic output be?

# CHADE OF THE SECOND EXAM

Olven the following data, compute the below national accounts;

|                               | Thousands of people |
|-------------------------------|---------------------|
| Total Population              | 4,000               |
| Under 16 or Institutionalized | 1,000               |
| Out of the latter force       | 2,000               |
| Unemployed                    | 210                 |

b. Total unemployment rate; manuscrimmentaminaminaminaminamina

#### Question 6: (11 points)

Use this aggregate demand-aggregate supply schedule for a hypothetical economy to a following questions.

| Real<br>domestic<br>output<br>demanded<br>(in<br>billions) | Price<br>level | Real<br>domestic<br>output<br>supplied<br>(in<br>billions)   |
|--|----------------|--|
| \$3000   | 350            | \$9000   |
| 4000   | 300            | 8000   |
| 5000   | 250            | 7000   |
| 6000   | 200            | 6000   |
| 7000<br>8000   | 150            | 6000   |
|  | 100            | 4000   |
| What will .  |                | The state of the s |

a. What will be the equilibrium price level and quantity of real domestic output?

If the quantity of real domestic output demanded increased by \$2000 at each price level, what will

the original

#### Question 3 (22 points)

Given the following table of mixed closed economy:

|    | eal GDP   | C<br>(billions) | (billions)   | G<br>(billions) | Taxes<br>(billions) | Income<br>(billions) | APC      | expenditures<br>(billions) |      |
|----|-----------|-----------------|--------------|-----------------|---------------------|----------------------|----------|----------------------------|------|
| -  | \$ 80     | \$60            | \$10         | \$30            | \$20                | 5                    |          | 5                          |      |
|    | 130       | 90              | 10           | 30              | 20                  | 3.0                  |          |                            |      |
|    | 180       | 120             | 10           | 30              | 20                  | 4.0                  | -        |                            |      |
|    | 230       | 150             | 10           | 30              | 20                  | -                    | _        | -                          |      |
| -  | 280       | 180             | 10           | 30              | 20                  |                      | -        |                            |      |
| a. |           | lete the abo    |              |                 |                     |                      |          |                            |      |
| b. | What      | is the break    | even incon   | ne?             |                     |                      |          |                            |      |
| c. | What      | are the econ    | nomy's MP    | C and MPS       | 37                  |                      |          |                            |      |
|    |           |                 |              |                 |                     |                      |          |                            |      |
| d. | What      | is the econo    | omy's muiu   | pher:           |                     |                      |          |                            |      |
| e. | What      | is the equil    | ibrium GDF   | ??              |                     |                      |          |                            |      |
| f. | If the    | overnmen        | t increased  | its expendi     | ture by \$3         | billion, wha         | will be  | the equilibrium            | GDP  |
| 1. | II the j  | governmen       | Hiereasea    | ns expense      |                     |                      |          |                            |      |
|    |           |                 |              |                 |                     |                      |          |                            |      |
|    |           |                 |              |                 |                     |                      |          |                            |      |
|    |           |                 |              |                 |                     |                      |          |                            |      |
|    |           |                 |              |                 |                     |                      |          |                            |      |
| g. | Assum     | e the econ      | omy is at th | e equilibrit    | um GDP fo           | ound in (e) a        | nd the g | overnment incre            | ased |
|    | billion   | , what will     | be the equi  | librium GE      | OP?                 |                      |          |                            |      |
|    | ********  |                 |              |                 |                     |                      |          |                            |      |
|    |           |                 |              |                 |                     |                      |          |                            |      |
|    |           |                 |              |                 |                     |                      |          |                            |      |
|    |           |                 | 44.00        |                 |                     |                      |          |                            |      |
|    | ********* |                 |              |                 |                     |                      |          |                            |      |
| h. | Assum     | e the econo     | omy is at th | e equilibri     | um GDP fo           | ound in (e)          | and the  | potential GDP is           | \$80 |
|    | there b   | e an intiati    | onary or re- | cessionary      | expenditu           | re gap? By           | now mu   | The same                   |      |
|    |           |                 |              |                 |                     |                      |          |                            |      |

Disposable

9. The change in GDP associated with a change in taxes in

As report to the change in taxes

- II. nemalter there—and opposite in sign to—that associated with an equal change in government spending
- C. senaller than and of the same sign as that associated with an equal change in net exports
- D. larger than—and opposite in sign to—that associated with an equal change in government spending
- 10. If its current level of GDP: المنكل غير سَر في ( at the current level of GDP:

A. GDP exceeds ) in a id the level of current expenditures

Is. GOP is at its equilibrium level

Current expenditures exceed the level of GDP and GDP will increase

D. GDP is below its equilibrium level

11. When planned injections of investment, government spending, and exports equal leakages of saving, taxes, and imports:

A. aggregate expenditures will equal GDP

It. consumption plus injections will be greater than aggregate expenditures

C. net exports will be zero

- D. output will be below its equilibrium level
- 12. All else equal, if domestic consumers begin to spend a greater fraction () of their consumption expenditures on foreign-produced goods:
- A. exports will also rise, offsetting the increase in imports

B, the multiplier will increase

- C. aggregate expenditures and GDP will both increase
- D. aggregate expenditures and GDP will both decrease
- 13. In a closed private economy, if aggregate expenditure is greater than the level of GDP:
- A, savings are greater than investment
- B. investment is greater than savings
- C. savings and investment are equal
- D. can be either A or B
- 14. Which of the following can cause a shift in the aggregate demand curve to the left?
- A. a reduction in the price level
- B. a reduction in aggregate supply
- C. a decline in personal taxes
- D. a decrease in government spending
- 15. A leftward shift of the short-run aggregate supply curve would illustrate:
- A. a positive GDP gap
- B. cost-push inflation
- C. demand-pull inflation
- D. an inflationary gap
- 16. The aggregate demand curve slopes downward to the right:
- A. because a lower domestic price level reduces net exports
- B. because of the income and substitution effects of lower prices
- C. at low prices, but not at high prices
- D. because a lower price level reduces the demand for money, which lowers the interest rat

#### ction 4 (15 points)

Use the table below for the next set of questions. Column 1 shows the interest rate, column 2 shows the total demand for money and columns 3-5 show different levels of money supply. All quantities are in millions (\$).

| (4)           | (2)    | (3)    | (4)    | (5)    |  |
|---------------|--------|--------|--------|--------|--|
| Interest rate |        | Sus    | Sat    | Sai    |  |
| 10%           | \$1500 | \$2100 | \$2400 | \$1800 |  |
|               | 1800   | 2100   | 2400   | 1800   |  |
|               | 2100   | 2100   | 2400   | 1800   |  |
|               | 2400   | 2100   | 2400   | 1800   |  |
| 2             | 2700   | 2100   | 2400   | 1800   |  |

|   | 2                            | 2700                       | 2100                              | 2400             | 1800                    |                           |                            |                        |
|---|------------------------------|----------------------------|-----------------------------------|------------------|-------------------------|---------------------------|----------------------------|------------------------|
| Given the demand for r  | money, who                   | t will be the              | equilibriu                        | ım interes       | t rate at th            | ne level of r             | noney suppl                | y S <sub>m1</sub> ?    |
| If transaction demand fi<br>level of 4%?                                      | or money w                   | as \$400 bill              | ion, what                         | will be the      | e asset de              | mand for m                | ioney at inte              | erest rate             |
| Assume the economy v supply to S <sub>ind</sub> and the in will there be?     | was in equil<br>iterest rate | Ibrium at D<br>stays the s | ame, how                          | if the comuch of | entral bar<br>a shortag | nk decides<br>e or surplu | to change t<br>s in the mo | he money<br>ney supply |
| Assume the economy visupply to S <sub>mil</sub> what will l                   | was in equil<br>be the new   | librium at l               | O <sub>m</sub> and S <sub>m</sub> | If the           | central b               | ank decide                | s to change                | the money              |
| What will happen to ag<br>from S <sub>m2</sub> to S <sub>m0</sub> . Is this a | gregate de<br>in expansio    | mand, GDF<br>onary or re   | and pricestrictive                | e level w        | hen the c               | entral ban                | k changes r                | noney supply           |
|   |                              |                            |                                   |                  |                         |                           |                            | ****                   |
|   |                              |                            |                                   |                  |                         |                           |                            |                        |

#### PART II/ SHORT ANSWER QUESTIONS

#### Question 1 (6 points)

Complete the following table:

| Year | CPI | Rate of annual inflation | Years to double |
|------|-----|--------------------------|-----------------|
| 1    | 100 |                          |                 |
| 2    | 110 |                          |                 |
| 3    | 108 |                          | _               |

#### ➤ Question 2 (12 points)

Given the following data, compute what follows:

|                            | Thousands of people |
|----------------------------|---------------------|
| Labor force                | 200                 |
| Frictionally<br>unemployed | 10                  |
| Structurally unemployed    | 8                   |
| Cyclically unemployed      | 16                  |

| a. | Total unemployment rate:  |
|----|---|
| b. | Natural rate of unemployment:   |
| c. | Use Okun's law to compute the GDP gap in percentage points:           |
| d. | If you know that potential GDP is \$200 billion, what is the value of |

- ... A contractionary fiscal policy is shown as a:
- .. rightward shift in the economy's aggregate demand curve.
- B. rightward shift in the economy's aggregate supply curve.
- C. movement along an existing aggregate demand curve.
- D. leftward shift in the economy's aggregate demand curve.
- 27. Suppose that the economy experiences an excessively high rate of economic growth above the potential GO and a high inflation rate. Which of the following policies would be most effective (Class)?
- A. Reduction in the tax rates on personal and corporate income.
- B. Increase in the tax rates on personal and corporate income.
- C. Reduction in government purchases.
- D. Increase in government purchases.

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#### PART II: SHORT ANSWER QUESTIONS

1. Evaluate the effect of the following on the AD curve, AS curve, equilibrium price level and equilibrium outp (increase, decrease, or unchanged). (10 points)

| (increase, decrease, or unchanged). (10 por             | Aggregate demand | Vittedim enbby | Equilibrium price | Equilibrium outp |  |
|---|------------------|----------------|-------------------|------------------|--|
| Increase in tariffs (التعرفة المعربة) on imported goods |                  |                |                   | 1                |  |
| Increase in personal taxes                              |                  |                | 1                 | 1                |  |
| Reduction of business taxes                             |                  | 1              |                   | 1                |  |
| Contractionary monetary policy                          |                  |                | 1                 | 1                |  |
| Technology improvement                                  |                  |                |                   | 1                |  |

2. Suppose the aggregate demand and supply schedules for an economy are as shown below. (8 points)

|    | Amoun<br>eal don<br>outp<br>dema | nestic | Amount of Price level real domestic (price index) output supplied |        |  |  |  |  |
|----|----------------------------------|--------|---|--------|--|--|--|--|
|    | 5                                | 200    | 300   | \$1000 |  |  |  |  |
|    |                                  | 400    | 250   | 800    |  |  |  |  |
| 95 |                                  | 600    | 200   | 600    |  |  |  |  |
|    |                                  | 800    | 150   | 400    |  |  |  |  |

|    | brethe equilibrium price level and GDP?                           |
|----|---|
| a. | GDP:  |
|    | What are the equilibrium price level and GDP?  GDP:  Price level: |

The government increased its spending by \$400, what will be equilibrium GDP

ne consumption schedule directly relates: insumption to the level of disposable income. aving to the level of disposable income. disposable income to domestic income. consumption to saving:

9. A decrease in the real interest rate will:

A. increase the amount of investment spending along the investment demand curve.

B, shift the investment schedule downward.

C. shift the investment demand curve to the right.

D. shift the investment demand curve to the left.

20. In the aggregate expenditure model, if aggregate expenditures exceed (3544) GDP in a private closs economy

A. leakages will exceed injections.

B. planned investment will exceed saving.

C. unplanned investment in inventories will occur.

D. saving will exceed planned investment.

21. The aggregate demand curve is:

A. vertical (عربي) under conditions of full employment.

B. horizontal (عربيا) when there is considerable unemployment in the economy.

C. downward sloping because of the interest-rate, real-balances, and foreign purchases effects.

D. upward sloping because production costs decrease as real output rises.

22. An economy's aggregate demand curve shifts leftward or rightward by more than changes in initial spending because of the:

A. net export effect.

B. wealth effect.

C. real-balances effect.

D. multiplier effect.

23. Which of the following would most likely reduce aggregate demand (shift the AD curve to the left)?

A. A reduced amount of excess capacity) .

B. Increased government spending on military equipment.

C. Domestic currency appreciation (ارتفاع قيمة العملة المحلية) relative to foreign currencies.

D. Increased consumer optimism (عناول) regarding future economic conditions.

24. The determinants of aggregate supply:

A. are consumption, investment, government, and net export spending.

B. explain why real domestic output and the price level are directly related.

C. explain why aggregate supply is vertical in the long run.

- D. include resource prices and resource productivity.
- 25. Suppose that the economy is in the middle of a recession period. Which of the following policy likely end the recession and stimulate (تحفز) output growth?

A. Reductions in the wages of the public sector employees.

B. Reductions in agricultural subsidies.

C. Postponement (تأجيل) of a highway construction program

D. Reductions in tax rates on personal and corporate income

### RT E MULTIPLE CHOICE QUESTIONS (54 Points)

#### TRITE YOUR ANSWERS ON THE FRONT PAGE

.. GDP is the:

A. national income minus all non-income charges against output.

B, monetary value of all final goods and services produced within the borders of a nation in a particular to the services produced within the borders of a nation in a particular to the services produced within the borders of a nation in a particular to the services produced within the borders of a nation in a particular to the services produced within the borders of a nation in a particular to the services produced within the borders of a nation in a particular to the services produced within the borders of a nation in a particular to the services produced within the borders of a nation in a particular to the services produced within the borders of a nation in a particular to the services produced within the borders of a nation in a particular to the services produced within the services C. monetary value of all economic resources used in producing a year's output.

D. monchity value of all goods and services, final and intermediate, produced in a specific year.

2. The total monetary value of all final goods and services produced in a particular country in 2010 is \$500 and the total monetary value of final country. and the total monetary value of final goods and services produced in a particular country in and the total monetary value of final goods and services sold (4\*# #) is \$450 billion. We can conclude that

A. GDP in 2010 is \$450 billion.

13-56 %

B. NDP in 2010 is \$450 billion.

C. GDP in 2016 is \$500 billion.

3. If in some year gross investment was \$120 billion and net investment was \$65 billion, then in the year gross investment was \$120 billion and net investment was \$65 billion, then in the year gross investment was \$120 billion and net investment was \$65 billion, then in the year gross investment was \$120 billion and net investment was \$120 billion. country's capital stock:

A, may have either increased or decreased.

B. increased by \$65 billion.
C. increased by \$55 billion.

4. In 2001, nominal GDP of a country increased but its real GDP declined. We can conclude that

A. nominal income declined by more than personal income.

B, the price level rose by more than nominal GDP.

C. real wages declined by more than real GDP.

5. If real GDP was \$5,000 billion last year and is \$5,200 billion this year, the approximate rate of economic growth over the past year is:

A. 0.2%

B. 0.4%

C. 4%

D. \$200 billion

793. 6. Which of the following is not a supply factor in economic growth?

A. the stock of capital

B. technological advance

**机构设** 

C. the size and quality of the labor force

D. aggregate expenditures of households, businesses, and government

7. Economic growth can be portrayed as:

A. an outward shift of the production possibilities curve.

B. an inward shift of the production possibilities curve.

C. a movement from a point on to a point inside a production possibilities curve.

D. a movement from one point to another point on a fixed production possibilities curve.

8. Labor productivity is measured by:

A the ratio of capital to labor.

B. real output per worker hour,

C. real output per capita.

D. the ratio of worker hours to real GDP.

nated has just finished school and is searching for his first job. He is temployed to be structurally unemployed: frictionally imemployed . cyclically unemployed 10. Suppose nominal GDP in the base year was \$380 billion. Five years later, remaind ODF was \$450. The GDP price index was 120. Over those five years, real GDP:

A. increased by \$20 billion
B. increased by \$36 billion
D. did not shown. J. employed D. did not change 11. The GDP gap measures the difference between: A. NDP and GDP. 12. If the natural rate of unemployment is 5.5% and the actual unemployment rate is 6.5%, them. Okun's law the GDP gap is: A. 1% B. 3% C. -1% D. -2%i 13. The phase of the business cycle in which real GDP declines is called: A. the peak. B. an expansion. C. a recession. D. the trough 14. Which of the following statements is true about causes ( ) of business cycle fluctuations ( ) A. Economists all agree that supply shocks are the cause of most business cycle fluctuations. B. Economists all agree that productivity shocks are the cause of most business cycle changes C. Economists all agree that monetary changes are primarily responsible for business cycle fluctuations D. All the above can be causes of business cycle movements. 15. Which of the following would most likely move the economy into a recession in the short term? A. Invention (اختراع) of a new product that most consumers want to buy. B. Innovations (ابتكارات) in management that enhance (سنجع) worker productivity. C. The central bank reduced money supply more than was anticipated. D. Government decision to reduce personal income tax rates. 16. The consumer price index was 177.1 in 2001 and 179.9 in 2002. Therefore, the rate of inflation in 2002 w 2.3 about: 148 A. 2.8 percent. B. 3.4 percent. C. 1.6 percent. 17. If the rate of inflation is 11 percent per year, the price level will double in about A. 4 years: 11 12 1 B. 6 years: C. 10 years

- . A contractionary fiscal policy is shown as a:
- .. rightward shift in the economy's aggregate demand curve.
- B. rightward shift in the economy's aggregate supply curve.
- C. movement along an existing aggregate demand curve.
- D. leftward shift in the economy's aggregate demand curve.
- 27. Suppose that the economy experiences an excessively high rate of economic growth above the potential CD and a high inflation rate. Which of the following policies would be most effective (Sal)
- A. Reduction in the tax rates on personal and corporate income.
- B. Increase in the tax rates on personal and corporate income.
- C. Reduction in government purchases.
- D. Increase in government purchases.

#### PART II: SHORT ANSWER QUESTIONS

1. Evaluate the effect of the following on the AD curve, AS curve, equilibrium price level and equilibrium outp (increase, decrease, or unchanged). (10 points)

| (increase, decrease, or unchanges). (10 por   | Aggregate demand | Vittaliste enbby | Equilibrium price | Equilibrium may |  |
|---|------------------|------------------|-------------------|-----------------|--|
| Increase in tariffs ( ( عر 15 المر 15 |                  |                  |                   |                 |  |
| Increase in personal taxes  |                  | 1                | 1                 | 1               |  |
| Reduction of business taxes   |                  | 1                | 1                 | 1               |  |
| Contractionary monetary policy  |                  | 1                | 1                 | 1               |  |
| Technology improvement  |                  | 1                | 1                 | 1               |  |

2. Suppose the aggregate demand and supply schedules for an economy are as shown below. (8 points)

|    | al don<br>outp | nestic | Price level real domestic<br>(price index) output<br>supplied |        |  |  |  |  |
|----|----------------|--------|---|--------|--|--|--|--|
|    | 5              | 200    | 300   | \$1000 |  |  |  |  |
|    |                | 400    | 250   | 800    |  |  |  |  |
| 14 |                | 600    | 200   | 600    |  |  |  |  |
|    |                | 800    | 150   | 400    |  |  |  |  |

| 44  | What are the equilibrium price level and GDP? |
|-----|---|
|     |   |
|     | Price level:                                  |
| b.  | The government GDP:                           |
| 273 | Price level:                                  |

| D) An increase in disposable income  18. Which of the following statements is TRUE?  An increase in imports, other things consta  B) An increase in exports has the same effect  C) Balance budget multiplier equal 1  D) All statements are true | ant, would tend to fall in equilibrium level of GDP.  Int, would tend to fall in equilibrium level of GDP.  I on equilibrium GDP as an equal decrease in government purchases.  I on equilibrium GDP d.  |
|---|--|
| 19. At break-even income:  A) Consumption = saving  B) Saving = 1  APC = 1  D) All of the above   | ADC = 1-APS  |
| 20. As disposable income decreases the APC A) Falls; falls B) Falls; rises C) Rises; rises D) Rises; falls  | _ and APS  |
| A) Make prices of domestic currency  B) Make foreign goods cheaper (المجنبية الرخص Make domestic goods cheaper than foreign Deprecation of domestic currency does no  | es of foreign goods that leads to increase in net exports المصائع) than domestic goods that leads to increase in net exports المصائع n goods that leads to increase in net exports that leads to increase in net exports   |
| 22. Consumption is \$141 billion, gross investment this level:  A) Leakage is less than injection  B) There will be unplanned increases in inver  C) The economy is in equilibrium  D) Leakage is greater than injection                          | is \$15 billion, and saving is \$15 billion in a private closed economy. At ntories (change in inventory positive)   |
| 23. Which of the following will <u>NOT</u> tend to shift the A) higher level of household borrows (ه) The expectation of a recession (م) بحدرث رکود) Interest rate fall  D) Increase in the amount of wealth held by h                            | e consumption schedule upward?<br>(زیادهٔ کمپ<br>(تولاهٔ کمپ   |
| 24. Which event would most likely decrease an ed<br>A) An increase the prosperity of trading partn<br>B) A depreciation of a nation's currency relati<br>C) A decline in the tariff (التعرفة الجمركية) on prod<br>D) All of the above             | ers for this economy (ثراء الشركاء التجاريين) ve to foreign currencies   |
| of \$2,200 a year. The current real rate of interest.  A. Undertake the investment because the exp.  B. Not undertake the investment because the exp.  C. Undertake the investment because the exp.   | 0 a year but which is expected to produce an increase in total revenue est is 8 percent. The firm should: pected rate of return of 9 percent is greater than the real rate of interest expected rate of return of 7 percent is less than the real rate of interest pected rate of return of 12 percent is greater than the real rate of interest pected rate of return of 10 percent is greater than the real rate of interest pected rate of return of 10 percent is greater than the real rate of interest pected rate of return of 10 percent is greater than the real rate of interest pected rate of return of 10 percent is greater than the real rate of interest pected rate of return of 10 percent is greater than the real rate of interest pected rate of return of 10 percent is greater than the real rate of interest pected rate of return of 10 percent is greater than the real rate of interest pected rate of return of 10 percent is greater than the real rate of interest pected rate of return of 10 percent is greater than the real rate of interest pected rate of return of 10 percent is greater than the real rate of interest pected rate of return of 10 percent is greater than the real rate of interest pected rate of return of 10 percent is greater than the real rate of interest pected rate of return of 10 percent is greater than the real rate of interest pected rate of return of 10 percent is greater than the real rate of interest pected rate of return of 10 percent is greater than the real rate of interest pected rate of return of 10 percent is greater than the real rate of interest pected rate of return of 10 percent is greater than the real rate of interest pected rate of return of 10 percent is greater than the real rate of interest pected rate of return of 10 percent is greater than the real rate of interest pected rate of return of 10 percent is greater than the real rate of interest pected rate of return of 10 percent is greater than the real rate of interest pected rate of return of 10 percent is greater than the real rate of in |
| 22000   | = 0.1  |

2000

| 9 The investment demand curve suggests:  | and the level of investment spending   |
|--|--|
| 8. The investment demand curve suggests:   | n disposable income and the level of investment spending.  |
| A) There is a direct (عدف طريب) relationship between   | and the level of investment spending.  |
| DI THERE IS A UITECT TETATION STILL DETWEET WAS A STATE  | total and the level of investment spending.  |
| (C) There is an inverse relationship (4.32) Detw   | veen interest rate and the level of investment spending.   |
| D) There is an inverse relationship between expec  | ted rate of return and the level of investment spending.   |
|  | the MPC is 0.90 then consumption:  |
| 9. If a lump-sum tax of \$60 billion is levied (الرخنت) at ea  | ach level of income and the MPC is 0.90, then consumption:   |
| A) Increase by 54  |  |
| B) Increase by 600   | MOCXT  |
| © Decrease by 54   | MILE. VI   |
| D) Decrease by 600   | MPCXT PT HC  |
| D) Decrease by our   |  |
| 10. If the stock of available capital goods in hand in the   | economy is running too high ( كان مخزون السلع الرامسالية المتاحة في متناول )   |
| الله الله عن الاقتصاد مرتفع للغاية ), then the:  | economy is forming too mgr ( o) — G  |
| A) Consumption schedule will shift upward  |  |
| B) Consumption schedule will shift downward  |  |
| C) Investment demand will shift to the right   |  |
| Investment demand will shift to the left   |  |
| Investment demand will strict to the left  |  |
| a sha MADO - O 7E aquilibrium CDD - coa  |  |
| 11. Suppose the MPC = 0.75, equilibrium GDP = 900 bil  | llion, and the government decrease taxes by \$50 billion.  |
| What is the new equilibrium GDP?   |  |
| A) GDP = \$750 billion   | DGOP = MINT _MPK   |
| B) GDP = \$937.5 billion   | 1000 A = 1.71  |
| C) GDP = \$950 billion   | M. The   |
| (D) GDP = \$1,050 billion  | 1-1  |
|  |  |
| 12. In an inflationary expenditure gap, the equilibrium les  | vel of GDP is:   |
| (A) Greater than full-employment GDP   | Ver of GD. 13.   |
| B) Less than full-employment GDP   | **   |
| C) Less than aggregate expenditures  |  |
|  |  |
| D) Greater than aggregate expenditures   |  |
|  |  |
| 13. In private open economy,   | · ·  |
| (A) AE = C + Ig + Xn   |  |
| B) $AE = C + Ig + G + Xn$  |  |
| C) AE = C + Ig + G   |  |
| D) AE = C + Ig + G + T   |  |
|  |  |
| 4. If the interest rate rises, then  |  |
| A) Aggregate expenditure (AE) will shift upward and  | increase in equilibrium GDP  |
| Aggregate expenditure (AE) will shift downward a   | and increase in equilibrium CDD  |
| Aggregate experiditure (AE) will shift upward and  | degreese is equilibrium CDD  |
| Aggregate expenditure (AE) will shift upward and   | decrease in equilibrium GDP  |
| (D) Aggregate expenditure (AE) will shift downward a   | ind decrease in equilibrium GDP  |
|  |  |
| 5. In mixed open economy, Injections are:  |  |
| Gross investment, government purchases, and ex   | xports X 9 I9  |
| B) Saving, taxes, and imports  | V ) T)   |
| C) Imports, taxes, and government purchases  |  |
|  |  |
| Saving, taxes, and gross investment  |  |
|  | Oment P (O)  |
| <ol><li>Assuming that MPC is 0.80, equal increases in govern</li></ol>   | nment spending (G) and tax collections (T) by \$20 billion will:   |
| A) Leave the equilibrium GDP unchanged   |  |
| Increase the equilibrium GDP by \$20 billion   | W: / -   |
| C) Increase the equilibrium GDP by \$180 billion   |  |
| D) Reduce the equilibrium GDP by \$180 billion   | M= 1-MPC - 100   |
| b) Reduce the equilibrium GDP by \$180 billion   | The state of the s |
| the state of the s | dulas ei tr  |
| . Assume the economy's consumption and saving sched  | dules simultaneously (في نفس الرقت) shift downward. This must  |
| be the result of:  | y to by our downward. This must  |
| A) An increase in household wealth   |  |
| An increase in income toyen  |  |
| An increase in income taxes  The expectation of a recogging  |  |
| C) The expectation of a recession  |  |

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#### PART II: Short Answer questions

| Questio  | n #1            |            |            |            |             | _           | that follow, Show your work |
|----------|-----------------|------------|------------|------------|-------------|-------------|-----------------------------|
| 1. Refer | to the informat | tion provi | ded in the | e table be | elow to ans | swer the qu | AE CASO AGAEXA              |
|          | GDP = DI        | С          | Ig         | G          | Export      | Imports     |                             |
|          | 500             | 520        | 20         | 25         | 15          | 20          | 560                         |
|          | 550             | 550        | 20         | 25         | 15          | 20          | 590                         |
|          | 600             | 580        | 20         | 25         | 15          | 20          | 620                         |
|          | 650             | 610        | 20         | 25         | 15          | 20          | 650                         |
|          | 700             | 640        | 20         | 25         | 15          | 20          | (690)                       |
|          | 750             | 670        | 20         | 25         | 15          | 20          | 210                         |

2. Complete the table (Assume that T=0)

3. What is the break-even income? .... DI=C 550....

4. At \$500 level of disposable income, what is APC? APC-C-520-1.04

5. What is the equilibrium level of GDP? 650

6. At 700 level of GDP, what is the value of change in inventory? 700 - 60 inventory surply Yes bodor = 650 -610 - us inventory surplus

7. At equilibrium GDP what is the value of leakages?

A Ghange 60-403 To inventors surpir

S+ M+T 1. DI - S+C => 650-610+S => S= 40 T=0 , => Lekge = S+M= 40 + 70 = 60

8. Calculate MPC and multiplier?

 $MDC = DC = \frac{616 - 580}{50} = \frac{30}{50} = 0.6$ 

M = 1 = 1 = 25

9. Suppose that Ig decrease by 12, what is the new equilibrium GDP?

1600= M X DT => 1600= 25 X 12 = 30 DT 4 GDR

New eq 60P= 650-30 / 670

10. Suppose that full employment level of output is 700. Is there an inflationary gap or recessionary gap? Why? How much is the size of this gap?

recessionary 6 AD , since full employmend GDD > AF

THE GOD gap Size = GDD - AE = 700 - 650=

700-680 - 20

|Page 5



Assume that government spending on goods and services (G) is \$200 million, tax (T) is 280 million, and the equilibrium GDP is 1,000 million. According equilibrium GDP is 1,000 million. Assume that the MPC were 0.75.

- 1. Calculate the effect of each of the following on GDP? (Calculate new GDP)? Show your work
  - A. Government spending (G) increase to \$260 million

D68 = 260-200 > 60 / M= 1-MPC 1-75 4.75 D6DP = Mx 46 = UX 60 - 8240 = D61 46001 Me maew ea 600 = 1000 + 240 = 1240

B. Taxes increase to 300 million.

M= -MPC -0.75 =) -3 1-MPC 0.25 D6DP= M+ XDT = -3 × (300-700) = -3 × 20 = -60 AT GDPU = 1000-60 = \$940

Both Government spending (G) and Taxes (T) increases by 40.

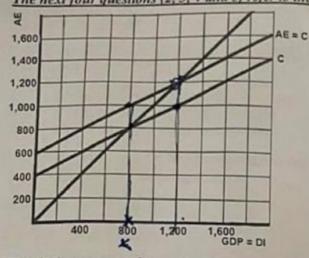
New 600 will increas by 40, 5 Tout +40 = \$1040 for more explination DGDD = MLX DT = -3 X NO => GDT 1000 - 170 - 1700 eg GDP = old e1 + OCDP(6) - AGDP(T) = 1000 + 160 - 170 = 10UD

#### PART A: Multiple Choice

- The value of multiplier (m) decreases when
  - An The marginal propensity to save decreases
  - (B)/ The marginal propensity to consume decreases
  - C) Tax rates are reduced
  - D) Government spending increases

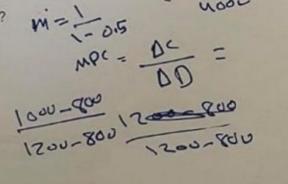
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#### The next four questions (2, 3, 4 and 5) refer to the following figure



C= DI

- 2. What is the amount of autonomous consumption and break-even income?
  - A) Autonomous consumption = 400, break-even income = 1,200
  - B) Autonomous consumption = 0, break-even income = 400
  - Autonomous consumption = 300, break-even income = 600
  - D) Autonomous consumption = 400, break-even income = 800
- 3. At the equilibrium GDP, what is the value of gross investment (ig)?
  - A) 100
  - B 200 C) 300
  - D) 400
- 4. What is the value of MPC and multiplier (m)?
  - A) MPC = 2 m = 0.5
  - (B)) MPC = 0.5
- m=2
- C) MPC = 0.75
- m = 4
- D) MPC = 0.8



- 5. Suppose that the full employment level of GDP is equal 800, would there be a recessionary gap or inflationary gap? How much is the size of this gap?
  - A) Recessionary gap by 200
  - B) Recessionary gap by 1,000
  - C) Inflationary gap by 1,000
  - (D) Inflationary gap by 200
- As disposable income decreases, consumption:
  - A) and saving both increase.
  - (B) and saving both decrease.
  - C) decreases and saving increases.
  - D) increases and saving decreases.
- 7. In a private closed economy
  - A) AE = C + 10 + G
  - B) There will be an unplanned increase in inventories when GDP less than aggregate expenditures (AE) × 604 At the equilibrium GDP, saving equal investment

Department of Economics Birzeit University Mr. Mohamad Amreyeh May 28, 2022

# Principles Macroeconomics Second Exam

96

Student Name:

Student Number:

#### **INSTRUCTIONS:**

1. The exam lasts 1.5 hour.

The exam is worth 100 points in total: 50 points for the multiple choice questions (Part A) and 50 points for three analytical problems (Part B).

 Write your answers for part A (the multiple choice section) in the blanks below. You won't get credit for circled answers in the multiple choice section.

4. Place all of your answers for part B in the space provided. You must show your work for part B questions.

Good luck!

#### PART A: Multiple Choice Problems

Answer multiple choice questions in the space provided below.

USE CAPITAL LETTERS.

| 1. | B | 6.  | B | 11. | D  | 16. | #B  | 21. | C |
|----|---|-----|---|-----|----|-----|-----|-----|---|
| 2. | D | 7.  | 0 | 12. | A  | 17. | e B | 22. | c |
| 3. | B | 8.  | C | 13. | A  | 18. | ₽ A | 23. | R |
| 4. | B | 9.  | C | 14. | D  | 19. | C   | 24. | C |
| 5. | 0 | 10. | D | 15. | Ao | 20. | D   | 25. | D |