

系所組別： 國際企業研究所乙組

考試科目： 經濟學

考試日期：0308，節次：2

※ 考生請注意：本試題 可 不可 使用計算機

- 注意：1. 作答時不須抄題目
2. 請依“題號順序”直接作答於答案紙上

一、計算題 (20 分，每小題 10 分)

New England Textiles, Inc., is a medium-sized manufacturer of blue-denim, the market for which is perfectly competitive. The total cost function for this product is described by the relation:

$$TC = \$25,000 + \$1Q + \$0.000008Q^2,$$

where Q is square yards of blue denim produced per month,

- A. *Derive the firm's supply curve, expressing quantity as a function of price.*
- B. *Derive the industry's supply curve if New England Textiles is one of 500 competitors.*

二、解釋名詞 (20 分，每小題 5 分)

1. Producer surplus
2. Engel curve
3. Wealth of Nations
4. Expansionary monetary policy

三、問答題 (20 分)

請說明並分析 2008 年雷曼兄弟事件及全球金融風暴之所以發生的主因，及其對全球及台灣重要總體經濟變數 (例如油價、股價、所得、房價、失業率、物價...等)之影響。您認為此風暴對哪些行業最不利，哪些行業反而有利，原因何在？

(背面仍有題目,請繼續作答)

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四. Multiple Choice Questions (40分, 每小題2分) (單選題)

Smith and Jones comprise a two-person economy. Their hourly rates of production are shown below.

Good	Smith	Jones
Computers	10	6
Calculators	100	120

- The opportunity cost of an extra calculator for Smith is _____ and for Jones it is _____.
 - 0.10 computers; 0.05 computers
 - 10 computers; 6 computers
 - 1 computer; 0.5 computers
 - 0.6 computers; 1.2 computers
 - 0.05 computers; 0.10 computers
- Suppose the price of doughnuts decreases and doughnut holes are a by-product of producing doughnuts. One would expect
 - the supply of doughnuts to decrease.
 - the quantity supplied of doughnuts to decrease.
 - the supply of doughnut-holes to increase.
 - the quantity supplied of doughnut-holes to increase.
 - the quantity supplied of doughnuts to increase.
- Satellite TV is a close substitute for cable TV. In the 1990's small satellite TV units were developed that made it more practical for individual consumers to subscribe to Satellite TV service. This caused the price elasticity of demand for cable TV service to
 - become more inelastic.
 - become less elastic.
 - become more elastic.
 - become smaller in absolute value.
 - shift to the left.
- JoJo is shopping for a new computer. A mail-order computer can be delivered to JoJo's home for \$1,200. JoJo could pick up the same computer at the warehouse for \$1,000. How should JoJo decide?
 - JoJo should definitely drive to the warehouse because the monetary cost is \$200 lower.
 - JoJo should drive to the warehouse if the value of his travel time plus wear and tear on his car is less than \$200.
 - JoJo should drive to the warehouse if the value of his travel time is less than \$200.
 - JoJo should definitely have the computer delivered, because the \$200 saving is less than 20% of the purchase price.
 - JoJo should definitely drive to the warehouse because the \$200 saving is more than 10% of the purchase price.

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5. According to the cost-benefit principle, you should switch to another task or job when
- A) the benefit from performing the new task just exceeds the benefit from continuing to perform the original task.
 - B) the benefit from performing the new task just exceeds the opportunity cost of performing that new task.
 - C) your productivity at the first task has diminished to the point at which the benefit from continuing with that task is just less than the benefit you would receive by performing the new task.
 - D) the opportunity cost of performing the original task just exceeds the benefit of performing the original task.
 - E) All of the above.

Suppose that a firm is located along a river. The firm uses water from the river to cool its machinery and returns the water to the river several degrees warmer, which has led to a decline in the fish population downstream of the firm.

6. The damage to the downstream fish is a(n)
- A) relevant cost of production.
 - B) irrelevant cost of production because fish are not participants in the economy.
 - C) relevant cost of production only if the firm is charged a fine for the damage done.
 - D) relevant cost of production only if there are commercial fishing activities downstream.
 - E) implicit cost of production which the firm will take into account in determining profit maximizing output.
7. Russell Crowe's economic rent from starring in a movie is equal to the difference between
- A) his initial offer and his final salary, including royalties.
 - B) his initial offer and the what he could earn in a different film.
 - C) his final salary and the average for leading actors.
 - D) his final salary and the least he would be willing to accept for a role.
 - E) the amount he earned in his last film, and the lowest offer he received this year.
8. Which of the following is NOT an example of a good with network economies?
- A) A camera phone
 - B) An internet connection
 - C) A computer printer
 - D) Computer operating systems
 - E) Text messaging capabilities

(背面仍有題目,請繼續作答)

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		Cory	
		Strategy A	Strategy B
Jess	Strategy A	Jess: +5, Cory: +5	Jess: 0, Cory: -5
	Strategy B	Jess: +10, Cory: 0	Jess: -5, Cory: +10

9. In the matrix above,
- A) Jess has a dominant strategy, but Cory does not.
 - B) Cory has a dominant strategy, but Jess does not.
 - C) both Cory and Jess have the same dominant strategy.
 - D) neither Cory nor Jess has a dominant strategy.
 - E) Cory and Jess have different dominant strategies.
10. If the market equilibrium quantity is greater than the socially optimal quantity, one can infer that
- A) the private supply curve for the activity is to the left of the socially optimal supply curve.
 - B) the private demand curve for the activity is below the socially optimal demand.
 - C) the production of this good has a positive externality.
 - D) the production of this good has a negative externality.
 - E) the production of this good has no externality.
11. Which of the following statement is normative?
- A) The interest rate increases are the result of Federal Reserve actions to decrease the money supply.
 - B) A large budget surplus is likely to lower interest rates.
 - C) Higher taxes are needed to support education.
 - D) High taxes tend to decrease saving.
 - E) Trade deficits frequently occur in conjunction with budget deficits.
12. Which of the following is an example of a final good ?
- A) New computer software sold to a computer manufacturer for installation in new computers
 - B) The services provided by lawyers to a computer manufacturer
 - C) Computer chips sold to a computer manufacturer for installation in new computers
 - D) A new computer sold to a business firm.
 - E) Hard drives sold to a computer manufacturer for installation in new computers
13. When statisticians fail to take into account improvements in the quality of goods and services, the CPI will tend to _____ the rate of inflation.
- A) understate
 - B) precisely measure
 - C) be unrelated to
 - D) overstate
 - E) be indexed to

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14. If 40 percent of the population in a country is employed and average labor productivity equals \$50,000, then real GDP per person equals:
A) \$20,000 B) \$40,000 C) \$50,000 D) \$50,040 E) \$125,000
15. Which of the following is an example of frictional unemployment?
A) Dora lost her job when the textile mill closed. She does not have skills to work in another industry and has been unemployed for over a year.
B) Marsha was laid off from her job with the airline because the recession has reduced the demand for airline travel. She expects to get her job back when the economy picks up.
C) George is an unskilled worker who mows lawns in the summer, but is unemployed the rest of the year.
D) Mike, an unskilled worker, had a job as sweeping the floors in a store until his employer fired him when the minimum wage was increased. He has been unemployed for several months since.
E) Hector looked for a job for five weeks after finishing college. He turned down several jobs that didn't use his skills, but now has a job requiring the expertise he gained in college.
16. Which of the following policies could be expected to increase private saving?
A) increase the income tax.
B) increase the tax rate on capital gains.
C) provide more generous Social Security retirement benefits.
D) reduce the size of down payments needed to buy a house.
E) replace the income tax with a consumption tax.
17. When the Fed sells government securities, the banks':
A) reserves will increase and lending will expand causing an increase in the money supply.
B) reserves will decrease and lending will contract causing a decrease in the money supply.
C) reserve requirements will increase and lending will contract causing a decrease in the money supply.
D) reserves/deposit ratio will increase and lending will expand causing an increase in the money supply.
E) reserves/deposit ratio will decrease and lending will contract causing a decrease in the money supply.

(背面仍有題目,請繼續作答)

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18. The cyclical unemployment rate is zero when:

- A) there is a recessionary gap.
- B) there is an expansionary gap.
- C) the output gap equals zero.
- D) frictional unemployment equals structural unemployment.
- E) the sum of frictional and structural unemployment equals zero.

19. Automatic stabilizers are provisions in the law that imply automatic _____ in government spending or _____ in taxes when real output increases.

- A) increases; increases D) decreases; decreases
- B) increases; decreases E) decreases; increases
- C) no change; no change

20. When Argentines increase their savings in U.S. dollars, the U.S. money:

- A) supply curve shifts left. D) demand curve shifts left.
- B) supply curve shifts right. E) demand curve shifts right.
- C) supply and demand curves shift left.