

東吳大學 104 學年度轉學生(含進修學士班轉學生)招生考試試題

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系級	國際經營與貿易學系二年級	考試時間	100 分鐘
科目	經濟學	本科總分	100 分

Part I. Multiple Choice: 60%, each 3 points. (請依序答題並以五題為一橫列，每一列首須標明題號，例如：1~5 …。不依此規定者，計算後之成績扣 10 分。)

1. Good X and good Y are substitutes. If the price of good Y increases, then the

A. demand for good X will decrease.	B. quantity demanded of good X will decrease.
C. demand for good X will increase.	D. quantity demanded of good X will increase.

2. Suppose that a gardener produces both green beans and rice in her garden. If the opportunity cost of one bushel of rice is $\frac{4}{5}$ bushel of green beans, then the opportunity cost of 1 bushel of green beans is

A. $\frac{5}{2}$ bushels of rice.	B. $\frac{2}{5}$ bushel of rice.
C. $\frac{5}{4}$ bushels of rice.	D. $\frac{8}{5}$ bushels of rice.

3. The slope of a linear demand curve is constant

A. but its elasticity is not.	B. and so is its elasticity.
C. because it is highly elastic.	D. none of the above.

4. Which of the following events would unambiguously cause a decrease in the equilibrium price of cotton shirts?

A. an increase in the price of wool shirts and a decrease in the price of raw cotton	B. a decrease in the price of wool shirts and a decrease in the price of raw cotton
C. an increase in the price of wool shirts and an increase in the price of raw cotton	D. a decrease in the price of wool shirts and an increase in the price of raw cotton

5. How does total revenue change as one moves downward and to the right along a linear demand curve?

A. It always increases.	B. It always decreases.
C. It first increases, then decreases.	D. It is always constant.

6. The proposition that if private parties can bargain without cost over the allocation of resources, they can solve the problem of externalities on their own, is called

A. the transaction cost theorem.	B. a Pigouvian tax.
C. the externality theorem.	D. the Coase theorem.

7. For good X, the supply curve is the typical upward-sloping straight line, and the demand curve is the typical downward-sloping straight line. A tax of \$15 per unit is imposed on good X. The tax reduces the equilibrium quantity in the market by 300 units. The deadweight loss from the tax is

A. \$1,750.	B. \$2,250.	C. \$3,000.	D. \$4,500.
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第 3 頁，共 4 頁

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15. A consumer's preferences for right shoes and left shoes can be represented by indifference curves that are
- A. bowed out from the origin B. bowed in towards the origin
C. straight lines D. right angles
16. The Fed's primary tool to change the money supply is
- A. changing the interest rate on reserves.
B. changing the reserve requirement.
C. conducting open market operations.
D. redeeming Federal Reserve notes.
17. Ryan lives in an apartment where he pays \$7,000 a year in rent. Alexis lives in a house that could be rented for \$14,000 a year. How much do these housing services contribute to GDP?
- A. \$21,000 B. \$14,000 C. \$7,000 D. \$0
18. Tyler and Camille both live in Oklahoma. A new-car dealer in Oklahoma bought a new car from the manufacturer for \$10,000 and sold it to Tyler for \$18,000. Later that year, Tyler sold the car to Camille for \$15,000. By how much did these transactions contribute to U.S. GDP for the year?
- A. \$18,000 B. \$15,000 C. \$33,000 D. \$43,000
19. If the CPI was 110 this year and 100 last year, then
- A. the cost of the CPI basket of goods and services increased by 10 percent this year.
B. the price level increased by 110 percent this year.
C. the inflation rate for this year was 10 percent higher than the inflation rate for last year.
D. All of the above are correct.
20. John and Jane decide to go on a vacation. As a result, they withdraw \$2,500 from their savings account. As a result of this transfer by itself
- A. M1 increases by \$2,500 and M2 decreases by \$2,500.
B. M1 increases by \$2,500 and M2 stays the same.
C. M1 decreases by \$2,500 and M2 stays the same.
D. M1 decreases by \$2,500 and M2 decreases by \$2,500.

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Part II. Calculations: 40%. (所有計算四捨五入取整數)

1. Consider a monopolistic market. Suppose that the market demand facing the monopolist is represented by the equation: $P = 13 - Q$, where Q is the monopolist's output, P is the output price. Assume that there is no fixed cost and the marginal cost of the monopolist is represented by the equation: $MC = 1 + Q$.

- (a). Write down the monopolist's marginal revenue function (i.e., $MR=?$). (5 points)
- (b). Compute the optimal output of the monopolist. (5 points)
- (c). Compute the profit (or loss) for the monopolist. (10 points)

2. Assume that Country A produces two goods X and Y. Their prices and quantities in years 2013 to 2015 are shown in the table:

	X		Y	
Year	Price	Quantity	Price	Quantity
2013	\$4	8	\$5	6
2014	\$5	6	\$3	7
2015	\$4	11	\$10	4

- (a) Using 2013 as the base year, calculate the GDP deflator for each year. (12 points)
- (b) Use the GDP deflator to calculate the inflation rate in 2014 and 2015. (8 points)