

大同大學 九十三 學年度 轉學考試 試題

考試科目：經濟學 系別：事業經營學系

第 / 頁，共 2 頁

註：本次考試不可以參考自己的書籍及筆記； 不可以使用字典； 不可以使用計算器。

一、 Define the following terms: (30%)

1. opportunity cost
2. full employment
3. economy of scale
4. public goods
5. crowding – out effect
6. quota
7. consumer surplus
8. production function
9. Paerto efficiency
10. invisible hand

二、 Please write a short paper to describe recent Taiwan Economic Situation. (15%)

三、 (20%)

Y (Real GDP)	C (Consumption)	I (Investment)	G (Government)	NX (Net export)
7,000	6,100	400	1,000	500
8,000	6,900	400	1,000	500
9,000	7,700	400	1,000	500
10,000	8,500	400	1,000	500
11,000	9,300	400	1,000	500
12,000	10,100	400	1,000	500
13,000	10,900	400	1,000	500

- a. What is the marginal propensity to consume implicit in this data?
- b. Plot a 45° line, and then use the data to draw an aggregate expenditure line.
- c. What is the equilibrium level of real GDP? Illustrate it on your diagram.
- d. Suppose that government purchases (G) decreased from 1,000 to 400 at each level of income. What would happen to equilibrium GDP?

四、 From the information in the following table, calculate the income elasticity of demand for this good (1) if income increase from \$10,000 to \$20,000, and (2) if income increase from \$40,000 to \$50,000. (15%)

Income	Quantity Demanded
\$10,000	50
\$20,000	60
\$30,000	70
\$40,000	80
\$50,000	90

- a. Is this a normal or an inferior good? How can you tell?
- b. Is this good considered an economic luxury, an economic necessity, or neither? Why?

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- 五、Your firm is considering purchasing some computers. Each computer costs \$2,600, and each has an annual profit. Because you plan to use the computers for different purposes, you have ranked those purposes in descending order of annual profit as follow: (15%)

Computer	Annual Profit
A	\$ 3,000
B	\$ 2,000
C	\$ 1,000
D	\$ 500

- Assume that each computer has a useful life of three years, and no value thereafter. If the interest rate is 10 percent per year, how many computers should you purchase?
- If, before you purchased the computers, the interest rate decreased to 5 percent per year, how many computers would you purchase?