

# 國立中央大學八十五學年度碩士班研究生入學試題卷

所別: 人力資源管理研究所 甲、乙組 科目: 經濟學

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一. (56%) Multiple Choice ( There is only one correct answer. Each question weights equally. ) :

1. Which of the following production function is of increasing returns to scale ? ( where  $x_1, x_2$  and  $q \geq 0$  )

a.  $q = 10 - \frac{1}{x_1} - \frac{1}{x_2}$

b.  $q = 10 \ln x_1 + 10 \ln x_2$

c.  $q = 100x_1x_2 - 5x_1^2 - 10x_2^2$

d.  $q = x_1^{\frac{1}{2}} + x_2^{\frac{1}{2}}$

2. Consider a two-person (denoted by the first subscripts 1 and 2), two-commodity (denoted by the second subscripts 1 and 2), pure-exchange economy with  $U_1 = q_{11}q_{12} + 12q_{11} + 3q_{12}$  and  $U_2 = q_{21}q_{22} + 8q_{21} + 9q_{22}$ . Suppose the endowments of these two consumers are (8,30) for the first consumer and (10, 10) for the second, respectively. Then the equilibrium price ratio of this economy is

a. not existed, because some more information is needed.

b.  $\frac{p_2}{p_1} = \frac{1}{2}$

c.  $\frac{p_1}{p_2} = \frac{1}{2}$

d. None of the above.

3. All of the following items are caused of involuntary unemployment except :

a. minimum-wage laws.

b. the monopoly power of unions.

c. unemployment insurance.

d. efficiency wages.

4. The opportunity cost of holding money is the :

a. nominal interest rate.

b. real interest rate.

c. rate of inflation.

d. prevailing Treasury bill rate.

5. If a large immigration raises the labor force, the neoclassical theory of distribution predicts :

a. the real wage will rise and the real rental price of capital will fall.

b. both the real wage and the real rental price of capital will fall.

c. both the real wage and the real rental price of capital will rise.

d. the real wage will fall and the real rental price of capital will rise.

參考用

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6. The minimum wage rate in Taiwan :

- a. is about NT\$ 14,500 per month in Taiwan.
- b. is usually about 75 percent of the average wage.
- c. is normally constant over time.
- d. is applied to most employees in Taiwan.

7. Efficiency - wage theories imply that firms pay high wages because :

- a. this practice increases the problem of moral hazard.
- b. it is important to improve worker's work norm especially in a highly developed country.
- c. the more a firm pays its workers, the greater their incentive to stay with the firm.
- d. paying high wages will leave the firm with inferior highly paid employees.

二 (44%) Short Essays (Each question weights equally.) :

1. Please discuss IS-LM curve, aggregate demand, aggregate supply, and their relationship with the business cycle of an economy.
2. Roughly one-fourth of all American employees work in firms with fewer than 25 workers, while another one-third work in firms with more than 1,000. Workers in the latter group, however, are much better paid; it has been estimated that they earn 12 percent more than those with the same measured human capital characteristics who work in the smallest firms. It is also true that wages rise faster with experience in the largest firms. This situation also applies to the case in Taiwan. Why do large firms pay more ?