

# 大同大學 九十三年 學年度研究所碩士班入學考試試題

考試科目：經濟學

所別：事業經營研究所

第 1/2 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。

## 1. Multiple choice(2 points for each)

- (1). Which of the following statements about demand elasticity is correct ?  
(A) If demand is price inelastic, an increase in price will reduce total expenditures.  
(B) If demand is price elastic, an increase in price will increase total expenditures.  
(C) If demand is price inelastic, an increase in price will increase total expenditures.  
(D) If demand is price elastic, an increase in price will leave total revenues unchanged.
- (2). Price tends to exceed marginal cost under:  
(A) monopolistic competition (B) monopoly (C) oligopoly (D) all of the above
- (3). Monopolists  
(A) maximize revenue, not profits (B) have no short-run fixed costs (C) have no supply curve (D) are price takers
- (4). Firms will continue to hire labor as long as  
(A) marginal revenue product is less than the wage rate (B) marginal revenue product is equal to marginal product of a labor (C) marginal product of a labor is higher than the wage rate (D) workers keep supplying labor
- (5). A production isoquant identifies :  
(A) The maximum output possible given fixed budget (B) the different combinations of goods that can be produced, given fixed amounts of inputs (C) the different combinations of inputs that can be used to produce a fixed level of output (D) none of the above
- (6). Please identify which one of the following can work as money in terms of three functions of being money :  
(A) diamond (B) nails (C) baseball season tickets (D) stamps
- (7). The equilibrium price level and level of real national output occur where:  
(A) real national output is at its highest possible level (B) exports equal imports (C) the price level is at its lowest level (D) the aggregate demand and supply curves intersect
- (8). Which of the following statements is false ?  
(A) Assets of commercial banks include reserves, liquid assets, investment securities, and loans. Investment securities are the most risky one among them. (B) The checkable deposit is money, but check itself is not. (C) Commercial papers are better than money in terms of the function of store of value. (D) Gresham's Law implies that people always want to use up "dirty" as well as "old" bills as soon as possible while buying goods.
- (9). Of the following fiscal programs, which has the least effect, per dollar, on aggregate ?  
(A) defense spending (B) road construction (C) grants for scientific R&D (D) social welfare
- (10). Which of the following transactions does not contribute to the current year's GDP?  
(A) The government pays you the interest on the bonds you hold.  
(B) The government pays you to do a commercial for keeping kids out of drugs.  
(C) You bought a used car from a used car dealer who spent some money cleaning it up.  
(D) An automobile manufacturer has some tires left, which were produced in this year.

2. Assumed the demand curves for A and B are :  $P_a=100-Q_a$  and  $P_b=180-2Q_b$ , respectively. The market only consists of these two people. Then what is the market demand function? When the market price is \$50, what is A's and B's individual demand elasticity? (10 points)

3. The consumption and investment function for a country located in the Pacific Ocean are as follows: (10 points)

$$C=400+0.6Y, I=200$$

- (a) What is the country's saving function?
- (b) By using of  $Y=C+I$  analysis, please DRAW a graph to calculate the country's equilibrium output?
- (c) By using of  $I=S$  analysis, please DRAW a graph to calculate the country's equilibrium output?

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考試科目：經濟學

所別：事業經營研究所

第 2/2 頁

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4. The balance sheet of Bank A is as follows: (10 points)

Assets		Liabilities	
Reserves	560	Deposits	4200
Loans	3640		

Assumed required reserve ratio=10%

- (a) What are Bank A's required reserve and excess reserve?
  - (a) How much money can the bank at most loan to the needed?
  - (b) Based on the original balance sheet, Bank A is going to use reserves to pay the withdrawal, if a depositor withdraws \$200, then what is its new balance sheet going to be?
  - (c) If excess reserve from (c) becomes minus, what should Bank A do to meet the requirement of required reserve?
5. In the past few years, some firms open "hypermarts", enormous stores that sell groceries, household goods, hardware and other products under one roof. What are the possible economies of scale that might be enjoyed by hypermarts? What are the potential diseconomies of scale. (20 points)
6. A firm with a kinked demand curve experiences the following situations:  
(a) An increase in fixed costs.  
(b) An increase in variable costs.  
Explain how the firm's price, output and profit change for each situation. (20 points)
7. Review recent ROC economic situation briefly. (10pints)