

## 國立中山大學100學年度碩士班招生考試試題

科目：經濟學【傳管所碩士班乙組】

第一部份：單選題，共45分，答對每題3分，答錯不倒扣。

1. The cost-output elasticity equals 1.8; this implies that:
  - A) there are neither economies nor diseconomies of scale.
  - B) there are economies of scale.
  - C) there are diseconomies of scale.
  - D) marginal cost is less than average cost.
2. If accounting profits are positive but economic profits are negative, then
  - A) accounting profits are less than implicit costs.
  - B) total revenues are greater than the sum of explicit and implicit costs.
  - C) explicit costs exceed total revenues.
  - D) normal profits are zero.
3. Suppose that the production of apples reduces global warming by 0.5%. The equilibrium price of apples is \_\_\_\_\_ because not all of the \_\_\_\_\_ are accounted for in the marketplace.
  - A) too high; benefits
  - B) too low; benefits
  - C) too low; costs
  - D) optimal; costs
4. Firm A employs 100 workers, each costs \$10 per hour, and 50 units of capital, each costs \$21 per hour. The marginal product of labor is 3 and the marginal product of capital is 5. The firm
  - A) is producing its current output level at the minimum cost.
  - B) could reduce the cost of producing its current output level by employing more capital and less labor.
  - C) could reduce the cost of producing its current output level by employing more labor and less capital.
  - D) could increase its output at no extra cost by employing more capital and less labor.
5. A sport center charges \$15 per hour for tennis lessons for children, and \$30 per hour for tennis lessons for adults. The tennis pro is practicing
  - A) first-degree price discrimination.
  - B) second-degree price discrimination.
  - C) third-degree price discrimination.
  - D) fourth-degree price discrimination.
6. In peak-load pricing,
  - A) marginal revenue is equal in both periods.
  - B) marginal revenue in the peak period is greater than in the off-peak period.
  - C) marginal revenue in the peak period is less than in the off-peak period.
  - D) the sum of the marginal revenues is greater than the sum of the marginal costs.
7. Which of the following is an example of an implicit cost?
  - A) interest paid on a bank loan.
  - B) wages paid to a family member
  - C) the value of a spare bedroom turned into a home office.
  - D) operating costs of a company-owned car.

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8. Clean air is an example of a good that is
  - A) neither nonrival nor nonexcludable.
  - B) largely nonrival and nonexcludable.
  - C) only nonexcludable.
  - D) only nonrival.
9. Frictional unemployment is:
  - A) the unemployment that results when people retire or leave the labor force.
  - B) the additional unemployment not captured in official statistics resulting from discouraged workers and the involuntary part-time workers.
  - C) the extra unemployment that occurs during periods of recession.
  - D) short-term unemployment that is associated with the process of matching workers with jobs.
10. Eric produce either 5000 pounds of cheese or 20 cars per year. Bob can produce either 5000 pounds of cheese or 10 cars per year. By the principle of comparative advantage, Bob should specialize in producing
  - A) both cheese and cars.
  - B) cheese.
  - C) cars.
  - D) neither cheese nor cars.
11. To close a recessionary gap, the Fed \_\_\_\_\_ interest rates which \_\_\_\_\_ planned aggregate spending and \_\_\_\_\_ short-run equilibrium output.
  - A) lowers; increases; increases
  - B) raises; decreases; increases
  - C) raises; decreases; decreases
  - D) lowers; increases; decreases
12. For a given level of inflation, if an increase in threats to domestic security causes the government to increase military spending, then the \_\_\_\_\_ shifts \_\_\_\_\_.
  - A) aggregate demand curve; right
  - B) aggregate demand curve; left
  - C) short-run aggregate supply line; upward
  - D) short-run aggregate supply line; downward
13. Government policymakers can respond to an overvalued currency in each of the following ways **EXCEPT** by:
  - A) devaluing the currency.
  - B) restricting international transactions.
  - C) increasing the official value of the currency.
  - D) becoming a demander of the currency in the foreign exchange market.
14. Expansionary fiscal policy \_\_\_\_\_ the price level and \_\_\_\_\_ equilibrium real GDP.
  - A) decreases; increases
  - B) increases; increases
  - C) increases; decreases
  - D) decreases; decreases
15. If the demand for the RMB increases relative to the dollar, which of the following would occur?
  - A) The dollar will depreciate.
  - B) The RMB will depreciate.
  - C) The demand for the dollar will increase.
  - D) The dollar will appreciate.

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第二部份：計算題，請簡列計算過程。答對每題6分，答錯不倒扣，共30分。

1. A and B are considering living alone or being roommates and splitting the rent for the next twelve months. A one bedroom, one bath apartment is \$500 per month while a two bedroom, one bath apartment is \$800. The one difficulty they have is that B snores very loudly. A estimates the cost of poor sleep due to B's snoring at \$150 per month. B could obtain a snore-eliminating device for \$50 per month. What is the actual monthly gain in surplus to A and B from living together after addressing the snoring problems in the least costly way?
2. Eric's marginal utility from watching movies and marginal utility from eating out each month in utilities are represented in the following table. Eric spends exactly \$200 every month on these two forms of entertainment, and the price per movie is \$20 and price per dinner is \$40.

Movies/month	Marginal Utility from Movies	Eating Out/month	Marginal Utility from Eating Out
1	60	1	150
2	50	2	140
3	20	3	120
4	5	4	100

What is Eric's optimal combination of movies and eating out?

3. A monopolist faces the following demand curve and total cost curve for its product:  $Q = 200 - 2P$ ,  $TC = 5Q$ . How much profit does the monopolist earn?
4. An economy produces 100,000 computers valued at \$200 each. Households purchase 20,000 computers of which 10,000 are imported. Businesses purchase 30,000 domestically produced computers. The government purchases 30,000 domestically produced computers and 10,000 domestically produced computers are sold abroad. The unsold computers at the end of the year are held in inventory by the computer manufacturers. What is the value of GDP in this economy?
5. Assume the money supply in Wonderland is 10,000, and currency held by the public equals bank reserves. The desired reserve/deposit ratio is 0.25. What is the value of Bank reserves?

第三部份：分析題，25分，請盡可能描述你的經濟邏輯。

1. How is the impact of expansionary fiscal policy different in an open economy than in a closed economy? (10 分)
2. If firms and workers have adaptive expectations, what impact will expansionary monetary policy have on inflation, unemployment, and the Phillips curve? (15 分)