

國立中山大學 103 學年度轉學考招生考試試題

科目名稱：政治學【政經系三年級】

題號：705003

※本科目依簡章規定「可以」使用計算機（廠牌、功能不拘）

共 1 頁 第 1 頁

1. 決策(Decision-making)的理論有哪些？請逐一說明。(25%)
試以上述的理論基礎來析論近日紛紛擾擾的自由經濟示範區的決策過程。(25%)
2. 請問領導型態(styles of leadership)有哪幾種？試說明之。(25%)
根據你／妳的了解，中華民國第 12-13 任總統馬英九先生，他的領導型態屬於哪一種？試析論之。(25%)

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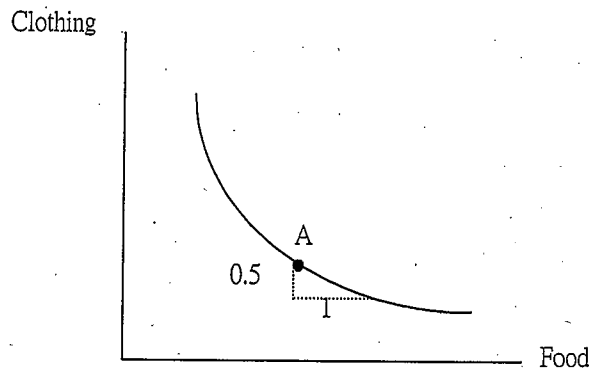
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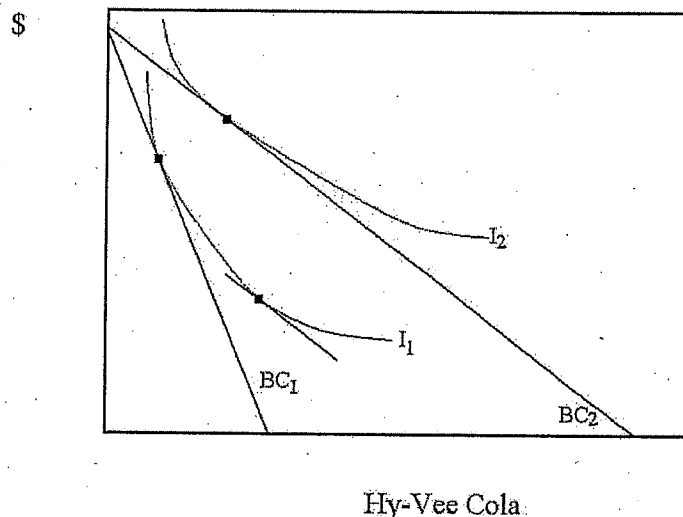
說明：本試題共分兩部分，第一部分為問答題，共10題，第二部分為計算題，共6小題。請於答案紙上作答。

第一部份：問答題（共10題，每題7分，共70分。）

1. The graph below shows London's indifference curves between food and clothing. What is the MRS_{FC} of the point A? How do you interpret the number?



2. Margaret's optimal consumption is shown in the diagram below for two different prices of Hy-Vee Cola. Decompose the change in Hy-Vee Cola consumption into income and substitution effects. Do the effects work in opposite directions?



3. Consider two firms, A and B. Assume both firms produce the same products using labor and capital. Also assume that the technology of both firms are identical. However, firm A is located in the United States where the labor cost is high while firm B is located in China when the labor cost is low. Draw the isocost line and the isoquant for firm A and explain the optimal production method of firm A.
4. Continued from 3. Draw the isocost line and the isoquant for firm B and explain the optimal production method of firm B.
5. Suppose an import quota was imposed in the car market. Draw a graph and show the area of the deadweight loss caused by the import quota.
6. Define and explain the following two effects associated with fiscal policies: the multiplier effect and the crowding-out effect.
7. Write down the expression for the price markup of a monopoly. Indicate how the price elasticity of demand plays a role in the expression.
8. Provide two examples in which you can see a principal-agent problem. Explain.
9. Using a graph representing the market for loanable funds, show and explain what happens to interest

背面有題

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rates and investment if the government budget goes from a deficit to a surplus.

10. To control the issue of air pollution, a government can achieve the desired emission level of CO₂ using an emission fee or an emission standard. How are the optimal emission fee and emission standard determined?

第二部份：計算題（共6小題，每小題5分，共30分。）

1. A small nation of ten people idolizes the TV show *American Idol*. All they produce and consume are karaoke machines and CDs, in the following amounts:

	Karaoke Machines		CDs	
	Quantity	Price	Quantity	Price
2011	10	\$40	30	\$10
2012	12	\$60	50	\$12

- (a) Using a method similar to the consumer price index, compute the percentage change in the overall price level. Use 2011 as the base year and fix the basket at 1 karaoke machine and 3 CDs.
- (b) Using a method similar to the GDP deflator, compute the percentage change of the overall price level. Also use 2011 as the base year.
2. The demand curve for the new computer game, Rock and Roll Trivia, is given as follows:

$$Q = 200 - 5P - 0.1P_c - 0.5P_d + 0.2A - I$$
 where P is the price of the game,
 P_c is the price of a computer,
 P_d is the price of a diskette,
 A is the level of advertising,
 I is the level of income.
- (a) Suppose P = 10, P_c = 100, P_d = 2, A = 5, and I = 50. What is the price elasticity of demand?
- (b) Suppose P = 10, P_c = 100, P_d = 2, A = 5, and I = 50. What is the cross price elasticity of Rock and Roll Trivia programs and diskettes?
3. Two competing firms are each planning to introduce a new product. Each will decide whether to produce Product A, Product B, or Product C. They will make their choices at the same time. The resulting payoffs are shown below.

		<i>Firm 2</i>		
		A	B	C
<i>Firm 1</i>	A	-10, -10	0, 10	10, 20
	B	10, 0	-20, -20	-5, 15
	C	20, 10	15, -5	-30, -30

- (a) Are there any dominant strategies for either firm? If so, what are they?
- (b) Are there any Nash equilibria in pure strategies? If so, what are they?