

國立臺北科技大學 109 學年度碩士班招生考試

系所組別：4203 經營管理系碩士班

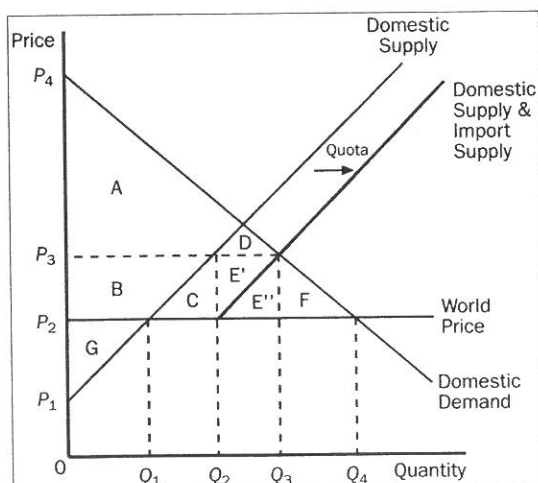
第二節 經濟學 試題 (選考)

第 1 頁 共 1 頁

注意事項：

1. 本試題共 5 題，每題 20 分，共 100 分。
2. 不必抄題，作答時請將試題題號及答案依照順序寫在答案卷上。
3. 全部答案均須在答案卷之答案欄內作答，否則不予計分。
4. 作答時可採用中文，解釋的部份請儘量輔以圖表或計算式說明。

1. Using the graph shown below, assume that free trade existed in this country before the government imposed an import quota of 20 hammers. Answer the following questions using the notation given in the graph (e.g., P_1 , Q_1 , area A, B, or $A+B$, quantity Q_2-Q_1 , etc.)
 - a. What is the price of hammers before the quota is imposed? (2 points)
 - b. What is the price of hammers after the quota is imposed? (2 points)
 - c. What is the quantity of hammers imported before the quota? (2 points)
 - d. What is the quantity of hammers imported after the quota? (2 points)
 - e. What is the amount of consumer surplus before the quota? (2 points)
 - f. What is the amount of consumer surplus after the quota? (2 points)
 - g. What is the amount of producer surplus before the quota? (2 points)
 - h. What is the amount of producer surplus after the quota? (2 points)
 - i. What would be the amount of deadweight loss due to the quota? (2 points)
 - j. How does an import quota differ from an equivalent tariff? (2 points)



2. Using a supply and demand diagram, demonstrate how a negative externality (e.g. pollution) leads to market inefficiency. (10 points) How might the government help to eliminate this inefficiency? (10 points)
3. A recent flood in the Midwest has destroyed much of the farmland that lies in fertile regions near the rivers.
 - a. Describe the effect of the flood on the marginal productivity of land, labor, and capital. (10 points)
 - b. How would the flood affect the price of land, labor, and capital? (10 points)
4. In a simple economy, people consume only 2 goods, food and clothing. The market basket of goods used to compute the CPI has 50 units of food and 10 units of clothing.

	food	clothing
2002 price	\$4	\$10
2003 price	\$6	\$20

 - a. What is the percentage increase in the price of food? (5 points) And what is the percentage increase in the price of clothing? (5 points)
 - b. What is the percentage increase in the CPI? (5 points)
 - c. Do these price changes affect all consumers to the same extent? Explain. (5 points)
5. Teenage unemployment is higher than unemployment of people ages 20 and over. Explain why economists would attribute at least part of this difference to minimum-wage laws. (Hint: who is likely to get paid more?) (20 points)