

# 國立臺北科技大學九十九學年度碩士班招生考試

系所組別：4220 商業自動化與管理研究所乙組

## 第二節 經濟學 試題

第一頁 共一頁

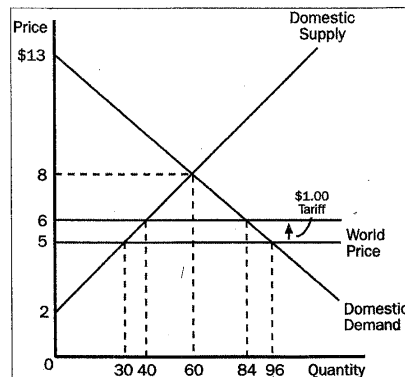
### 注意事項：

1. 本試題共 5 題，每題 20 分，配分共 100 分。
2. 請標明大題、子題編號作答，不必抄題。
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。

1. Under the Omnibus Budget Reconciliation Act of 1990, Congress imposed a luxury tax on items such as yachts, private airplanes, furs, jewelry, and expensive cars. The goal of the tax was to raise revenue from those who could most easily afford to pay. Because only the rich could afford to buy such expensive things, taxing luxuries seemed a logical way of taxing the rich.

Do you agree with the above statement? (5 points) Please explain your reasons using graphs to show how the burden of luxury tax is divided between the rich people and the middle class workers who supply luxury goods. (15 points)

2. Using the graph shown, assume that the government imposes a \$1 tariff on hammers. Answer the following questions given this information.
  - a. What is the domestic price and quantity demanded of hammers after the tariff is imposed? (4 points)
  - b. What is the quantity of hammers imported before the tariff?(2 points)



- c. What is the quantity of hammers imported after the tariff? (2 points)
  - d. What would be the amount of consumer surplus before the tariff? (2 points)
  - e. What would be the amount of consumer surplus after the tariff?(2 points)
  - f. What would be the amount of producer surplus before the tariff?(2 points)
  - g. What would be the amount of producer surplus after the tariff?(2 points)
  - h. What would be the amount of government revenue because of the tariff?(2 points)
  - i. What would be the total amount of deadweight loss due to the tariff?(2 points)
3. “The availability of natural resources will eventually limit how much the world’s economies can grow.”  
Do you agree or disagree with the above statement? (5 points)  
Explain.(15 points)
  4. “An investment tax credit will cause interest rates to be lowered and investment to rise.”(Examples of investment tax credit: lowering taxes for any firm building a new factory or buying a new piece of equipment.)  
Is the above statement true or false? (5 points) In your answer, please draw a diagram of the loanable funds market, and show the effect of the investment tax credit on the interest rate and the equilibrium quantity of loanable funds. (15 points)
  5. Using separate graphs of the money markets, demonstrate what happens to the money supply, money demand, and the interest rate if:
    - a. the central bank sells government bonds (or Treasury bills)(10 points)
    - b. people decide to demand less money at each value of money(10 points)