

國立臺北科技大學 115 學年度碩士班招生考試

系所組別：4202 經營管理系碩士班

第一節 經濟學 試題 (選考)

第 1 頁 共 1 頁

**注意事項：**

1. 本試題共 4 題，每題 25 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。

1. True or False:

Increasing the government budget surplus will stop U.S. citizens from investing in foreign companies and increase the value of the dollar.

- (a) Is this statement true or false? (5 points)
- (b) Please explain your answer. (20 points)

2. If a small country imposes a tariff on imported goods (as shown in Figure 1), domestic producers will gain producer surplus, the government will gain tariff revenue, and domestic consumers will gain consumer surplus.

- (a) Is the above statement true or false? (5 points)
- (b) Based on Figure 1, construct a table to explain the **changes** in consumer surplus, producer surplus, government revenue, and total surplus before and after the tariff. Is there any deadweight loss? (20 points)

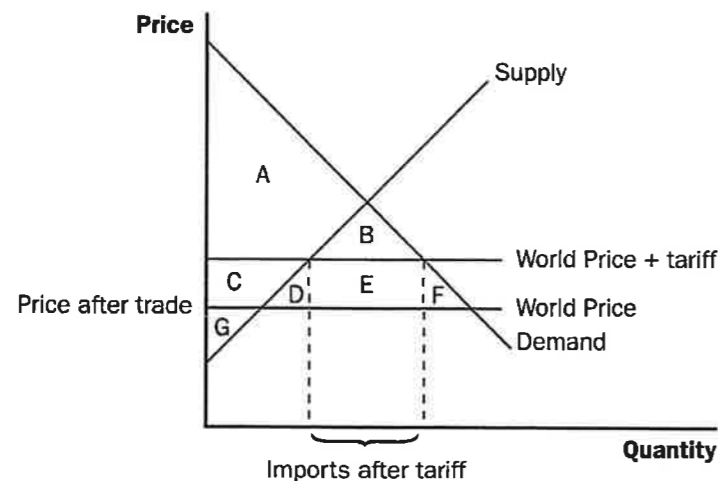


Figure 1

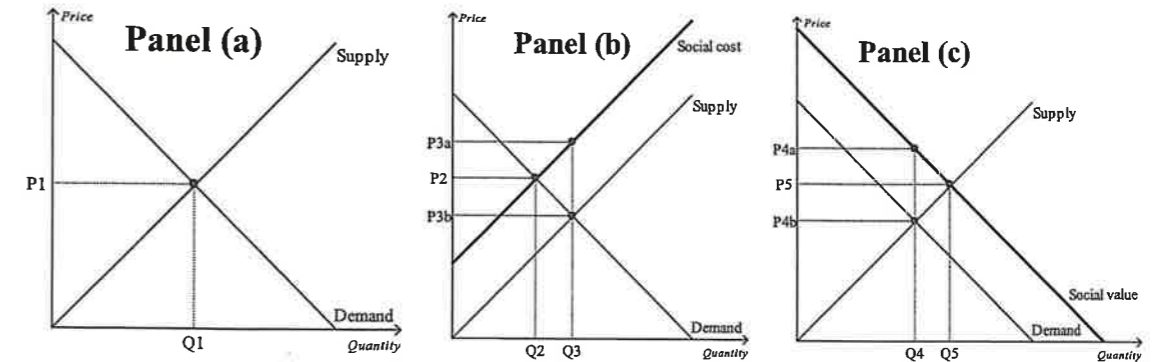


Figure 2

3. Refer to Figure 2. Panels a, b, and c show three different markets.

For each question below, choose ONE panel (a, b, or c).

- (a) Which panel represents a market with a positive externality? (5 points)
- (b) Which panel represents a market with a negative externality? (5 points)
- (c) The overuse of antibiotics leads to the development of antibiotic-resistant diseases. Therefore, which panel best represents the market for antibiotics? (5 points)
- (d) Based on your answer in question (c), what is the socially optimal quantity of antibiotics? (5 points)
- (e) Explain how the government can **internalize the externality** to achieve the socially optimal outcome. (5 points)

4. Suppose an overseas recession reduces a country's exports.

Draw an aggregate demand–aggregate supply (AD–AS) diagram and answer the following questions.

(Clearly label all curves and equilibrium points in your diagram and explain your answers in words.)

- (a) Which curve(s) in the AD–AS model are affected? (5 points)
- (b) In which direction does each affected curve shift? (5 points)
- (c) In the short run, what happens to output and the price level? (5 points)
- (d) As the expected price level adjusts over time, what changes occur in the economy? (5 points)
- (e) In the long run, what are the effects on output and the price level? (5 points)