

系所組：財務金融學系碩士班

日期節次：100 年 3 月 19 日第 2 節 11:00-12:30

科目：經濟學

每題 25 分，請以中文作答。

1. What would be the effect on real GDP and total employment of each of the following changes?
 - a. As a result of restrictions on imports into the United States, net exports (NX) increase.
 - b. The federal government launches a new program to improve highways, bridges, and airports.
 - c. Banks are offering such high interest rates that consumers decide to save a larger proportion of their incomes.
 - d. The growth of Internet retailing leads business firms to purchase more computer hardware and software.

2. Housing prices in Boston and Los Angeles have been on a roller-coaster ride. Illustrate each of the following situations with supply and demand curves;
 - a. In both cities, an increase in income combined with expectations of a strong market shifted demand and caused prices to rise rapidly during the mid-to late 1980s.

 - b. By 1990, the construction industry boomed as more developers started new residential projects. Those new projects expanded the supply of housing just as demand was shifting as a result of falling incomes and expectations during the 1990-1991 recession.

3. QQS is a competitive firm operating under the following conditions: Price of output is \$5, the profit-maximizing level of output is 20,000 units of output, and a total cost (full economic cost) of producing 20,000 units is \$120,000. The firm's only fixed factor of production is a \$300,000 stock of capital (a building). If the interest rate available on comparable risks is 10 percent, should this firm shut down immediately in the short run? Explain your answer.

4. Explain the difference between a single-price monopoly and a price-discriminating monopoly. What conditions must be present in order for a monopoly to price discriminate? Explain why each condition is necessary.