

大同大學 九十二 學年度 轉學考試 試題

考試科目：經濟學 系別：事業經營學系

第 / 頁，共 / 頁

註：本次考試不可以參考自己的書籍及筆記； 不可以使用字典； 不可以使用計算器。

一 Suppose that

$$\text{Supply: } Q = 5 + 2P$$

$$\text{Demand: } Q = 9 - 2p$$

Calculate the equilibrium price and quantity. (10%)

二 Calculate the price elasticity of demand for the following goods. (10%)

1. The price of movie theater ticket goes up by 10%, causing the quantity demanded to go down by 4%.
2. Computer price falls by 25%, causing the quantity demanded to increase by 15%.

三 Fill out the table below, and then answer the following questions. (20%)

Q	TC	FC	VC	AVC	ATC	MC
0	8					
1	12					
2	14					
3	22					
4	30					
5	50					

1. Suppose the firm is a price taker. If the price is \$15 per unit, will this firm be earning economic profit? How much? What quantity will it produce?
2. What is the maximum profit? What is the shutdown price?

四 State the necessary conditions for price discrimination. (10%)

五 Define the following terms. (20%)

1. Comparative advantage
2. Constant returns to scale
3. Consumer surplus
4. Indifference curve
5. GNP gap

六 Tom can wax 3 cars per day or wash 6 cars. Ted can wax 4 cars per day or wash 12 cars. What is each man's opportunity cost of washing a car? Who has a comparative advantage in washing cars? (15%)

七 Construct a value added table for various stages in the production and sale of bread. (15%)