

# 淡江大學 108 學年度日間部轉學生招生考試試題 14-1

系別：全財管學程二年級

科目：經濟學(以全英語命題及答題)

考試日期：7月24日(星期三) 第2節

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1. The demand function for ice-cream is  $P^D = 800 - 2Q^D$ . The supply function for ice cream is  $P^S = 200 + Q^S$ .

(1) Find the equilibrium price (P) and quantity (Q) ! (10%)

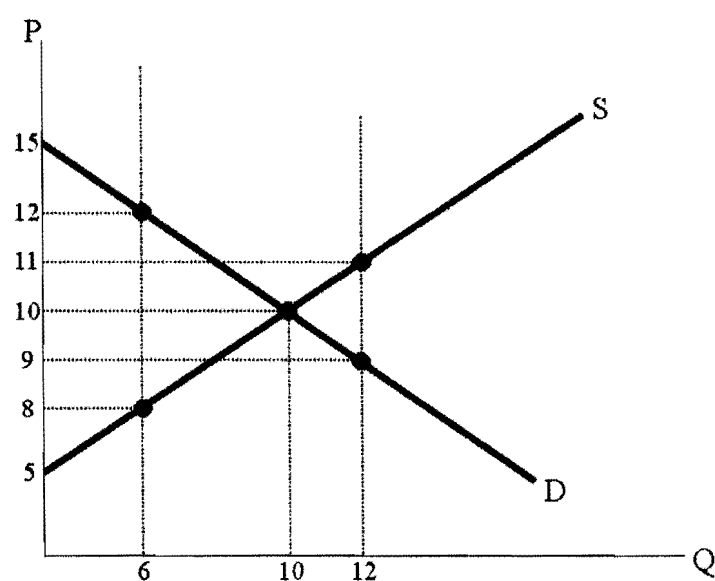
(2) What is the effect on the equilibrium (including P and Q) in the ice-cream market if ice-cream becomes more popular? (10%)

2. If the price elasticity of demand for pizzas is 4, how does the quantity change as the price of pizzas increases by 5%? (10%)

3. The following figure shows the demand and supply of sandwiches.

(1) Calculate the consumer surplus and producer surplus when in equilibrium? (10%)

(2) Calculate the consumer surplus and producer surplus if the market price is 12? (10%)



4. In 2019, the price level in Taiwan is 120, and the price level in the United States was 102. What was the exchange rate expressed as NTD per USD? (10%)

背面尚有試題

14-2

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5. According the table below:

Items	2018		2019	
	P	Q	P	Q
Banana	2	1000	3	1100
Coconuts	10	500	8	525

- (1) Calculate the real GDP in 2019 (base year=2018). (10%)
- (2) Calculate the GDP deflator in 2019. (10%)

6. In the year 2018, Consumption (C), Investment (I), Government expenditure (G), Export (X), and Import (M) are listed as below:

$$C=125+0.75(Y - T), \quad I=125, \quad T=0, \quad G=125, \quad X=100, \quad M=0.25(Y - T),$$

- a. What is the marginal propensity to consumption (MPC) in 2018? (10%)
- b. Suppose the potential GDP in 2018 is 1000. How much is the inflation gap or deflation gap in 2018? (10%)