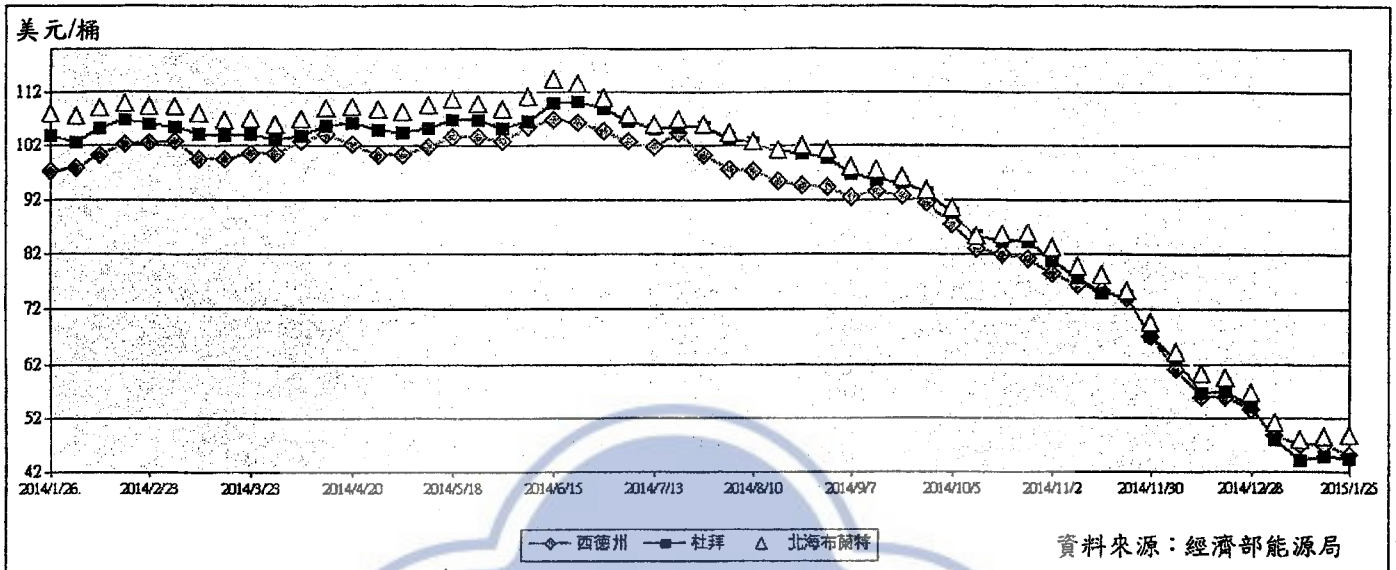


考試科目	經濟學 181B	所別	國家發展研究所	考試時間	2月28日(六)第三節
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一、(25%)下圖是國際原油價格 2014 年初到 2015 年初的走勢，請回答下列問題：



- 根據經濟理論，商品的價格由需求和供給共同決定，試從供給面和需求面探討過去一年造成國際原油價格走跌的可能原因。
- 試分析油價變動對台灣總體經濟環境所造成的影響，請分別從短期和長期加以討論。

二、(25%)2014 年下半年起，全球主要經濟體又颳起「量化寬鬆(Quantitative Easing, QE)」的旋風，歐洲央行跟隨美國聯準會、英國和日本央行腳步，決定自 2015 年 3 月起實施大規模購債計畫，預料將掀起另一波貨幣戰爭，一般認為是 QE 的延長賽。然而另有專家學者認為，各國應直接將資金發放給中低收入者，因為此舉不但可以提高消費支出，對總體經濟有立即刺激的效果，也可緩解日益嚴重的貧富差距問題，一舉多得。試從政府總體經濟政策有效性的角度，評析上述兩類做法的利弊得失。

備註
 一、作答於試題上者，不予計分
 二、試題請隨卷繳交。

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The following questions may be answered in either English or Chinese. Please show your work because (i) partial credit will sometimes be awarded and (ii) full credit may not be awarded for answers that appear without accompanying work.

- (35%) This problem about smartphones consists of four parts. Parts (3) and (4) can be answered independently.
 - (8%) Suppose in the market of smartphones in Taiwan, a Taiwanese company, Firm A, is the only supplier. What do we call this kind of market structure? Suppose the market demand is linear. Please draw a clearly-labeled graph to show how the equilibrium price and quantity will be determined. (Hint: The x-axis will be quantity, and the y-axis will be price.)
 - (7%) [Continued from (1)] Suppose there is news reporting that using smartphones will cause diseases so many people decide not to use smartphones. How will this affect the equilibrium price and quantity? Please describe in words and draw a new graph to explain. (Hint: You should start the new graph from copying the graph in (1) and then show the changes.)
 - (7%) [Ignore (2)] Suppose a Taiwanese Firm H also joins the market and produces "H phone". What do we call this kind of market structure? Both Firm A and Firm H have three price strategies (high, medium, and low), and they can predict the payoffs as below. For example, if Firm A chooses High and Firm H chooses Medium, the payoff of Firm A will be 2, and the payoff of Firm H will be 7. Suppose both firms know this payoff matrix and will choose their best responses. What will be the price strategies at the equilibrium?

		Firm H		
		High	Medium	Low
Firm A	High	7, 5	2, 7	1, 1
	Medium	2, 0	4, 2	5, 0
	Low	8, 1	3, 4	6, 2

- (13%) Suppose the smartphone market becomes perfectly competitive, and the world price of smartphones is lower than the domestic price. Please draw a clearly-labeled graph to illustrate the Taiwanese smartphone market and describe the differences in terms of price and quantity when (i) there is no trade, (ii) there is free trade, and (iii) the government imposes a per-unit tariff on imported smartphones.
- (15%) Labor supply is an important aspect in development studies. Suppose a young lady allocates her time into work and leisure, and she can work for up to 80 hours a week. She obtains happiness from hours of leisure (L) and units of consumption (C), and her ability to consume depends on how much she earns from work. Her hourly wage is W, and her consumption per unit costs P.
 - (8%) Please use L, C, W, and P to set up a utility maximization problem for this young lady. (Hint: You only have to "set up" the problem. No need to solve it.)
 - (7%) Please draw a graph to describe this utility maximization problem and explain where the equilibrium will occur. (Hint: The x-axis will be L, and the y-axis will be C.)

備註	一、作答於試題上者，不予計分。 二、試題請隨卷繳交。
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