注意：考試開始鈴響前，不得翻閱試題，並不得書寫、畫記、作答。

國立清華大學 114 學年度碩士班考試入學試題

系所班組別：計量財務金融學系
　　　　　　甲組(財務金融組)

科 目 代 碼：5201
考 試 科 目：經濟學

一作答注意事項一

1. 請核對答案卷（卡）上之准考證號、科目名稱是否正確。

2. 考試開始後，請於作答前先翻閱整份試題，是否有污損或試題印刷不清，得舉手請監試人員處理，但不得要求解釋題意。

3. 考生限在答案卷上標記「┏ 由此開始作答」區內作答，且不可書寫姓名、准考證號或與作答無關之其他文字或符號。

4. 答案卷用盡不得要求加頁。

5. 答案卷可用任何書寫工具作答，惟為方便閱卷辨識，請儘量使用藍色或黑色書寫；答案卡限用 2B 鉛筆畫記；如畫記不清（含未依範例畫記）致光學閱讀機無法辨識答案者，其後果一律由考生自行負責。

6. 其他應考規則、違規處理及扣分方式，請自行詳閱准考證明上「國立清華大學試場規則及違規處理辦法」，無法因本試題封面作答注意事項中未列明而稱未知悉。

一.(50% 每題 5 分) 請依題號依序作答，不要跳題號作答，否則不計分。作答時請寫上題號。除了要寫上答案以外，也必需解釋原因。若解釋不正確即使答案正確也不計分。

1. You are in the market for a used 2006 Honda Accord. You know that half of the 2006 Accords are lemons and half are peaches. If you could be assured that the Accord you were buying were a peach, you would be willing to pay up to $10,000. On the other hand, you would only be willing to pay $2,000 for a lemon. You have no ability to discern whether any particular Accord is a lemon or a peach. Sellers of Accords, on the other hand, are likely to know whether their particular car is a lemon or a peach. Suppose sellers of lemons will sell their cars for $1,500 or more and peach sellers will be willing to sell their cars for $8,500 or more. If you are risk neutral, you are willing to offer _____ and _____ are willing to sell you their car.
(A) $2,000 for a car of unknown quality; lemon owners only
(B) $5,000 for a car of unknown quality; lemon owners only
(C) $8,500 for a car of unknown quality; both lemon and peach owners.
(D) $6,000 for a car of unknown quality; lemon owners only

2. In the market for used motorcycles there are high- and low-quality motorcycles. Potential buyers cannot determine prior to purchase whether a motorcycle is high- or low-quality. The following statement that best describes what is likely to happen in this market is:
(A) The price of a used motorcycle will be very close to the value of a high-quality motorcycle, which will encourage people to sell high-quality motorcycles.
(B) This is an example of adverse selection, as the buyer will have more information about the quality of the used motorcycle than the seller will.
(C) Over time the market price of a used motorcycle will increase, as there is more of an incentive for owners of high-quality motorcycles to sell than owners of low-quality motorcycles.

(D) The price of a used motorcycle will be between the buyer and seller values for low-quality motorcycles. This will encourage people to withdraw high-quality motorcycles from the market

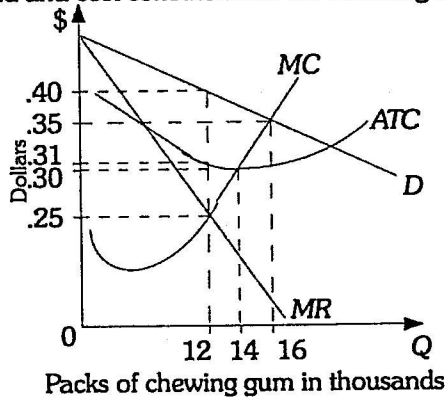Demand and cost conditions for the Chewing Gum Industry

Figure 1

3. Refer to Figure 1 above. Six firms that produce chewing gum form a cartel. The cartel faces the market demand curve given by D. To maximize profits, the cartel should produce _____ packs of chewing gum and the price should be _____.

(A) 12,000; $.25

(B) 14,000; $.30

(C) 16,000; $.35

(D) 12,000; $.40
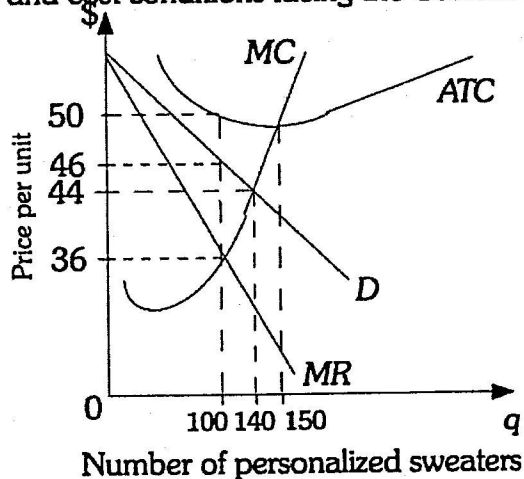
Demand and cost conditions facing the Custom Sweater Shop

Figure 2

4. Refer to Figure 2 above. Assume The Hand Made Sweater Shop has fixed costs of $500 and is a monopolistically competitive firm. To maximize profits in the short run, the firm should produce _____ personalized sweaters.
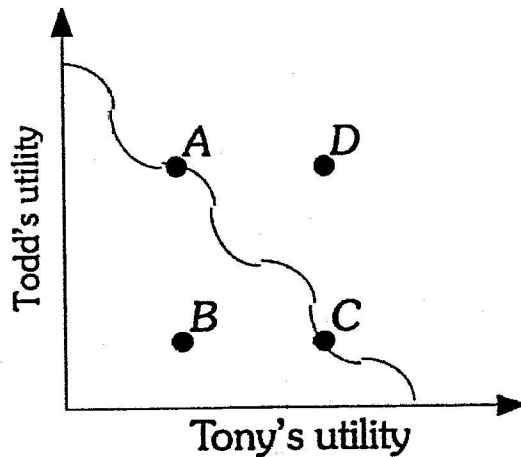
(A) 0

(B) 140

(C) 150

(D) 100

Figure 3

5. Refer to Figure 3 above. If society is at point A, the distribution is

(A) inefficient, because Todd?s utility is zero.

(B) inefficient, because both Todd and Tony can be made better off.

(C) efficient because the distribution of income is equitable.

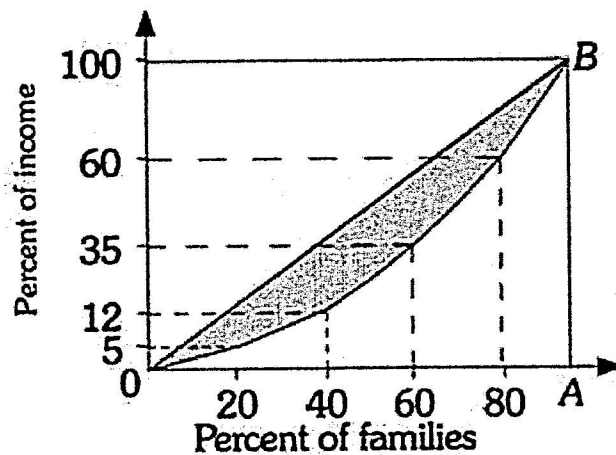(D) efficient because it is impossible to make Todd better off without making Tony worse off.

Figure 4

6. Refer to Figure 4 above. The top fifth of families earned _____% of income in Outland.

(A) 20

(B) 40

(C) 60

(D) 95

7. Which of the following illustrates the principle of second best?

(A) The government imposes taxes on gasoline and the tax revenue collected is used to pay for road repair.

(B) The government imposes a tax on a paper manufacturer that equals the cost of cleaning the river damaged by the waste discharged into the river by the paper manufacturer.

(C) The government decides to impose taxes on all grains, rather than imposing a tax only on wheat.

(D) A tax imposed on land, because this tax distorts economic decisions less than taxes on other factors of production.

Table 1

India		Vietnam	
Cashews	Tea	Cashews	Tea
0	600	0	600
20	500	20	450
40	400	40	300
60	300	60	150
80	200	80	0
100	100	—	—
120	0	—	—

8. Refer to Table 1. The most that Vietnam will be willing to pay for a bushel of cashews is

(A) 5 lbs. of tea.

(B) 7.5 lbs. of tea.

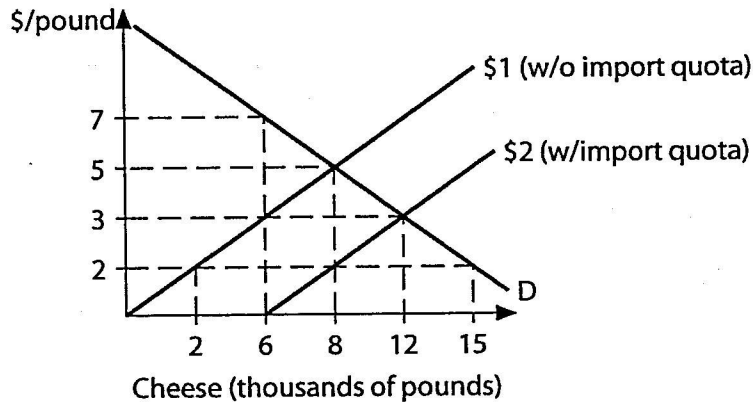(C) 6.25 lbs. of tea.

(D) 10 lbs. of tea.

Figure 5

9. Refer to Figure 5 above. From a no trade position, an import quota of 6,000 pounds decreases domestic supply by _____ pounds and lowers the price by _____ per pound.

(A) 8,000; $5

(B) 2,000; $2

(C) 6,000; $3

(D) 4,000; $1

10. Which of the following statements is true?

(A) Income tends to be more equally distributed in developing countries than in developed countries.

(B) Low productivity in the agricultural sector in developing countries means that farm output per person is barely sufficient to feed a farmer's own family.

(C) The percentage of the labor force employed in urban areas is smaller in developed nations than in developing nations.

(D) Developed nations account for only about one-half of the world?s population, but they consume about three-quarters of the world's output.

二.(50% 每題 25 分) 請依題號依序作答，不要跳題號作答，否則不計分。作答時請寫上題號

1. 下一任美國總統川普即將重返白宮，「川普2.0」效應席捲而來，請以總體經濟模型分析並解釋此政策對美、中、台經濟的影響效果。

2. 請以總體經濟模型分析人工智慧 AI (artificial intelligence) 對臺灣經濟的影響效果。