個體經濟學 问答计算题（每题10分，共五题）

1. Use consumer indifference curves and budget lines to illustrate the effects of an increase in income for a normal good and an inferior good (use two graphs). Be sure your diagrams are fully and correctly labeled.

2. The matrix below displays the possible profit results of two firms, A and B, from following two different possible strategies: charging a high price and charging a low price. In each cell, the first number is the profit of firm A, and the second number is the profit of firm B.

<table>
<thead>
<tr>
<th></th>
<th>High Price</th>
<th>Low Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Firm A</td>
<td>(15,15)</td>
<td>(5,22)</td>
</tr>
<tr>
<td>Firm B</td>
<td>(22,5)</td>
<td>(11,11)</td>
</tr>
</tbody>
</table>

a. Assume that collusion is not possible. Determine the optimal strategy for each firm. Explain why it is the best strategy to follow.

b. Based on your answer to a, explain why firms collude. What are the pitfalls of collusion?

3. Competition reduces some, but not all, discrimination. Where can one expect competition to reduce discrimination, and where is discrimination likely to go on even if there is competition?

4. List and discuss the importance of the major effects of the deregulation which occurred in the 1980s.

5. There is concern that CFCs, a chemical by-product of refrigeration, are destroying Earth’s protective ozone layer, leaving us more vulnerable to cataracts and skin cancer. Suppose, each air conditioner creates 10 pounds of CFCs. The demand and supply of air conditioners follow:

<table>
<thead>
<tr>
<th>Price (dollars)</th>
<th>400</th>
<th>350</th>
<th>300</th>
<th>250</th>
<th>200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity demanded</td>
<td>10</td>
<td>12</td>
<td>14</td>
<td>16</td>
<td>18</td>
</tr>
<tr>
<td>Quantity supplied</td>
<td>18</td>
<td>16</td>
<td>14</td>
<td>12</td>
<td>10</td>
</tr>
</tbody>
</table>

What will be the free-market price and quantity, and what will be the price and quantity if the government forces suppliers to pay a $100 tax for each air conditioner produced?
總體經濟學 問答計算題(每題10分,共五題)

1. Changes in the value of stocks may play a big role in the consumption
decisions of individuals. How would changes in the stock market affect the
consumption function?

2. Describe the main explanations for the downward rigidity of wages in the
modern macroeconomy. Evaluate their probability of being correct and
important.

3. What are the main determinants of the demand for money?

4. In each of the following scenarios, explain why the euro will appreciate or
depreciate in a system of floating exchange rates. A) A recession in Germany
cuts German purchases of American goods. B) American investors are
attracted by prospects for profit on the Frankfurt Stock Exchange. C)
Interest rates on government bonds rise in the U.S. but remain stable in
Germany.

5. What are some of the suggested remedies for the U.S. trade deficits? What
remedies have been attempted? What remedies are left to try?