

國立臺北大學 104 學年度碩士班一般入學考試試題

系(所)組別：財政學系

科 目：經濟學

第 1 頁 共 1 頁

可 不可使用計算機

壹、個體經濟學部分(共 50 分)

1. Evaluate whether each of the following statements is True, False or Uncertain and explain why.
 - (a) An increase in income tax rate reduces work incentive. (9%)
 - (b) For a normal good, when its price decreases, compensating variation (CV) is greater than equivalent variation (EV). (9%)
 - (c) Whether an individual purchases insurance depends on his or her risk attitude. (9%)
 - (d) Implementing the electronic toll collection (ETC) system on highways improves economic efficiency. (9%)
2. Consider a market with a market demand function $Q = 150 - P$.
 - (a) Assume that this market is monopolized by only one firm and this firm has a cost function $TC(Q) = 60Q$. How will this monopoly do if it conducts quantity discrimination by setting three prices? (7%)
 - (b) Now assume this market is a homogeneous-products duopoly, in which the two firms have the same cost function: $TC(q) = 60q$. Find the Cournot equilibrium. (7%)

貳、總體經濟學部分(共 50 分)

Answer all questions. For full credit you must show all your work.

3. On January 15th, 2015, Switzerland's central bank dumped a three-year-old cap on the franc's value against the euro, which was introduced in 2011 when the world financial market was in turmoil and the Swiss franc was considered as a safe haven asset. After the Swiss suddenly announced that it would no longer hold the Swiss franc at a fixed exchange rate with the euro, franc soared against both the euro and the dollar. Based on what you have learned from Macroeconomics, what are the pros and cons of the peg strategy? (10%)
4. Fiscal austerity is commonly used to reduce government debts in recent years. Use the Keynesian cross and IS-LM model to explain the effect of a decrease in government purchase on GDP and the effect of an increase in taxes on GDP? According to your analysis, which might be a better way to reduce government debts and why? (10%)
5. In a Solow model with a population growth rate, n , but no technology improvement, which means the growth rate of technology is 0,
 - (a) Define the growth in capital stock and the steady state. (10%)
 - (b) What is the golden rule level of capital? How to reach it when the current capital use is below the golden rule level and what happens over time to output, consumption and investment? (10%)
6. Minimum wage laws set legal minimums for the hourly wages paid to certain groups of workers. Some people believe that minimum wage laws protect workers from exploitation by employers and reduce poverty, while others believe that minimum wage laws may cause unnecessary hardship for some people to find jobs. Use macroeconomic theories to explain your opinion. (10%)

試題隨卷繳交