

國立臺北大學 107 學年度日間學士班暨進修學士班轉學生招生考試試題

系（所）組別：財政學系日間學士班 3 年級暨進修學士班 3 年級

科目：財政學

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可 不可使用計算機

Question 1

Using the Edgeworth box to

- a. Analyze how a free market can achieve Pareto efficiency. (15%)
- b. Analyze the second fundamental theorem of welfare economics. (10%)

Question 2

An economist claimed: "Although the lump-sum principle analysis tells us that a private health insurance market could be more efficient, government should intervene because of the problem of adverse selection."

- a. Analyze **public** health insurance with the lump-sum principle model.(8%)
- b. Analyze **private** health insurance in relation to adverse selection.(8%)
- c. Do you agree the above statement?(9%)

Question 3

Analyze a case with the cost-benefit approach. (10%) List advantages and disadvantages of the analysis and evaluate whether you should use the approach in this case. (15%)

Question 4

- a. Explain Arrow's impossibility theorem. (13%)
- b. "Since the theorem implies that the results of voting could be arbitrary, public policies should not be decided through democracy." Do you agree this statement? (12%)

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