

國立臺北大學 103 學年度碩士班一般入學考試試題

系(所)組別：財政學系

科 目：財政學

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可 不可使用計算機

1. Use life-cycle model to show how the Social Security pension system can reduce annual consumption for some works that have strong preference for current versus future consumption. (10 分)

2. 請詳細說明下列敘述是否正確(僅回答正確或錯誤者不予給分)(40 分)
 - (1) Taxing hotel rooms and restaurant meals in a city with lots of tourism is an example of tax expenditures. (5 分)
 - (2) The marginal social cost of producing another unit of a pure public good is zero, because pure public goods can only be collectively consumed. (5 分)
 - (3) Suppose the marginal cost of a pure public good increase as more is purchased by a community. The Lindahl equilibrium will result in a budget surplus at the efficient annual output of the pure public good. (10 分)
 - (4) The marginal external benefit of the sale of smoke detectors in a city declines with annual output. At the current competitive equilibrium level of output per year, the marginal external benefit is \$5 per unit of output. To achieve efficiency, a corrective subsidy of more than \$5 per unit of output is required. (10 分)
 - (5) Because an income tax distorts the saving decision and a personal consumption tax does not, one can conclude that a personal consumption tax is preferable. (10 分)

3. 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." (17 分)
 - (1) Analyze **public** health insurance with the lump-sum principle model.(5 分)
 - (2) Analyze **private** health insurance in relation to adverse selection.(5 分)
 - (3) Do you agree the above statement?(7 分)

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4. 在大埔事件中，政府成本效益分析的結果，建議強制拆除房屋的效益(如經濟發展、交通便利等)，高於成本(如土地徵收成本、原住戶的搬遷成本等)。請問你是否同意政府應以此分析結果，來推動該案?(17 分)

5. (1) Explain Arrow's impossibility theorem. (8 分)
(2) "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? (8 分)