

國立臺灣科技大學  
九十一學年度碩士班招生考試試題

系所組別：企業管理系乙組  
科 目：經濟學

總分 100 分

1. 台灣樂透彩券正在發燒中，目前政府從所有彩金營收中提撥一定比例作為公益用途，
  - (1) 請從經濟學的觀點分析政府應如何設定此一比例？(10分)
  - (2) 請評估目前政府設定的比例符合經濟上的效益嗎？(5分)
2. 經濟學者在分析市場的運作時，皆假設廠商是在追求最大的利潤，
  - (1) 你認為前述假設與現實相符嗎？(5分)
  - (2) 為何大部分的經濟學者仍然採行上述的假說？(5分)
3. 請闡述食用鹽之需求彈性偏低的各種可能原因？(10分)
4. (a) 在經濟不景氣時，常容易導致銀行抽緊銀根，或採行所謂信用緊縮(credit crunch)的現象，試根據 IS-LM 分析架構之圖示，說明信用緊縮可能產生之總體經濟效果。(15分)  
(b) 臺灣經濟成長率從民國 89 年的 5.86% 下降至去年的 -1.91%，變動幅度非常之大，試從總合需求(aggregate demand)-- 總合供給(aggregate supply)之分析架構，繪圖說明它在短期和長期對價格和數量之影響效果。(20分)

※ 如須計算時可使用一般型計算器，但不可使用可程式之計算器。



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5. Mr. Lin and Mr. Chen work on a project. They want to agree to a “contract” that both will work hard so that they can earn a bonus. They face a problem in that the contract is not legally binding and effort is not contractible. If Mr. Lin and Mr. Chen both shirk, each receives a net payoff of \$2000. If both work hard, each receives a net payoff (net of disutility of hard working) of \$3000. If Mr. Lin shirks and Mr. Chen works hard, they meet their project target and each receives bonus of \$4000. Lin, however, experiences no disutility from working hard and receives a net payoff of \$4000. Chen also receives cash bonus. However, being the only one to exert effort, he incurs a back injury. His net payoff is \$0. The opposite payoffs occur if Lin works hard and Chen shirks.
- What is the strategic form for this game? (10%)
  - What are decisions of Lin and Chen, respectively, at the Nash equilibrium in a single-period setting? (10%)
  - What are their payoffs at the Nash equilibrium in a single-period setting? (10%)

