

國立屏東科技大學 100 學年度 碩士班暨碩士在職專班 招生考試
科技管理研究所碩士班 經濟學試題

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註：本考試不需要使用計算機 Created by Unregistered Version

問答題：請針對問題並依需要配合圖形，簡明扼要說明論述。不含圖形，每一大題之答案以四百字為限，各小題之答案以兩百字為限。

- (20%) Suppose that our government administers two programs that affect the market for cigarettes. Media campaigns and labeling requirements are aimed at making the public aware of the dangers of cigarette smoking. At the same time, the Department of Agriculture maintains a price-support program for tobacco farmers, which raises the price of tobacco above the equilibrium price. (a) Please use graphs to analyze the combined effect of these two programs on the price and quantity of cigarettes. (b) Suppose that cigarettes are also taxed, and then what effect does the tax have on cigarette consumption?
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- (20%) Taking account of the tariff effect on export, our government signed the Economic Cooperation Framework Agreement (ECFA) with China (i.e. the mainland China) in June 2010. As contended by the pros of the ECFA, this agreement would be of great benefits to Taiwan's economy. Please use graphs to illustrate the effect of tariff on the welfare of a country and, in addition, compare consumer surplus, producer surplus and total surplus of the country before and after the tariff with trade.
- (20%) Responding to the problem of pollution, a government can either levy a corrective tax on pollution or limit the quantity of pollution by limiting the number of pollution permits. Suppose that now there is a great improvement in the technology for controlling pollution. (a) Please use graphs to contrast and compare the effect of this technology improvement on the price and quantity of pollution under each regulatory system. (b) Taking environmental protection into account, which system is better - corrective tax or pollution permits?
- (20%) Suppose that Taiwanese mutual funds suddenly invest more in China (i.e. the mainland China) now. (a) How is the impact of the change in capital stock on the net capital flow, the value of Chinese currency (人民幣) and the domestic goods market in China? (b) And, in the long run, does this make Taiwanese workers better or worse off?
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- (20%) According to the Bloomberg news of January 4, 2011, the Fed's second round of quantitative easing, dubbed QE2 by investors and economists, has been criticized by Republican politicians as well as officials in China, Germany and Brazil. In addition, on January 4, 2011, the Washington Post reported that Federal Reserve officials appear unlikely to stop their controversial strategy of buying vast sums of Treasury bonds before the bond-buying program is scheduled to end in June. Essentially, there are the pros and cons of the quantitative easing (QE) policy. Now please use the model of aggregate demand and aggregate supply to analyze the impact of the QE policy on the output and the price level. (a) How does the QE policy affect the output and price level in the short run? (b) How is the impact of the QE policy on the real output in the long run?