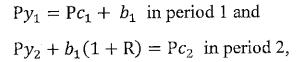
國立中央大學104學年度碩士班考試入學試題

听別:<u>產業經濟研究所碩士班 產業經濟組(一般生)</u> 科目:<u>總體經濟學 共_2_頁 第___</u>頁 本科考試禁用計算器 <u>*請在答案卷(卡)內作答</u>

請按題目順序作答,若無法作答者,請填寫題號後空白, 未按順序作答者,將扣總分20分,敬請遵守規定!

— \cdot (40%) Consider this model that the household lives for two time period, t = 1,2. The household's preference function is: $U(c_1, c_2) = u(c_1) + \beta u(c_2)$ where c_1, c_2 denote as the consumption for the first and second period. β is the discount factor. The household's budget constraints are



where b_1 is the first period bond holding, P is the price level and R is the interest rate. Assume $U(c_1) = \ln(c_1)$ and $U(c_2) = \ln(c_2)$.

- (1)(10%) What is the optimal consumption for the first period?
- (2)(10%) How about the consumption for the second period if the interest rate goes up?
- (3)(10%) What is the optimal demand for bond?
- (4)(10%) What is the interest rate that clears the bond market?
- \subseteq \((30%) Consider a household with a utility function over consumption C and effort L of the form: $U(C,L) = 2\sqrt{C} L$. The household's income takes the form: y(L) = wL where w is the wage rate. Assume the tax policy is $H(L,\tau) = \tau y(L)$.
- (1) (10%) What is the government revenue function?
- (2) (10%) Does this system exhibit a Laffer curve?
- (3) (10%) Now if the government introduces a lump-sum tax of amount, τ_L , does this system exhibit a Laffer curve?

多考用

注:背面有試題

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- (1) (10%) What is the First Fundamental Law of Capitalism?
- (2) (10%) What is the Second Fundamental Law of Capitalism?
- (3) (10%) What are good reasons to think that in the 21st century?

注:背面有試題