考 試 科 目	經濟學 3131B	所　別	俄羅斯	考 試 時 間	2月28日(六) 第一節

1. (10 points) Explain why the optimal amount of pollution is often not zero.

2. (20 points) Sometimes increases in the wage rate will cause individuals to work more hours.　It is also the case that this same increase could cause people to work fewer hours. Please illustrate and explain what is happening to cause this variance?

3. (20 points) Draw indifference curves that reflect the following preferences.
   (a) Pencils with white erasers and pencils with pink erasers
   (b) Left shoes and right shoes
   (c) Potatoes and rice
   (d) Income and polluted water

4. (20 points) You are the liaison (聯絡人) between the Central Bank and the Ministry of Public Finance. Your goal is to coordinate policy efforts to achieve full-employment output in the economy while keeping a fixed real interest rate. You must recommend tightening or easing both monetary and fiscal policies to do this. What would your recommendation be in each of the following situations?
   (a) People decide to increase saving.
   (b) Expected inflation declines.
   (c) The future marginal productivity of capital declines.
   (d) There's an adverse oil price shock.

備　　　註	一、作答於試題上者，不予計分。 二、試題請隨卷繳交。

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5. (10 points) In addition to investment in physical and human capital, what other public policies might a country adopt to increase productivity?

6. (15 points) Suppose the economy is initially in long-run equilibrium. For each of the shocks listed below, explain the long-run effects on output and the price level.

    (a) Labor supply decreases.

    (b) The government shuts down National Development Council (國家發展委員會).

    (c) Productivity increases.

7. (5 points) The government of a small open economy announces a tax cut of $100 this year, combined with a tax increase of $110 next year, when the interest rate is 10%. What are the effects of this change on the world real interest rate, national saving, investment, and the current account balance in equilibrium when Ricardian equivalence holds?

| 備　　註 | 一、作答於試題上者，不予計分。
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