

AP[®] Macroeconomics 2004 Free-Response Questions Form B

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2004 AP® MACROECONOMICS FREE-RESPONSE QUESTIONS (Form B)

MACROECONOMICS

Section II
Planning Time—10 minutes
Writing Time—50 minutes

Directions: You have fifty minutes to answer all three of the following questions. <u>It is suggested that you spend approximately half your time on the first question and divide the remaining time equally between the next two questions.</u> In answering the questions, you should emphasize the line of reasoning that generated your results; it is not enough to list the results of your analysis. Include correctly labeled diagrams, if useful or required, in explaining your answers. A correctly labeled diagram must have all axes and curves clearly labeled and must show directional changes.

- 1. Assume that a country's economy is in equilibrium.
 - (a) Using a correctly labeled aggregate demand and aggregate supply graph, show how an increase in the price of oil, an important natural resource, will affect the following in the short run.
 - (i) Real output
 - (ii) Price level
 - (b) Using a correctly labeled graph, show how the increase in the price of oil affects the short-run Phillips curve.
 - (c) Assume that the central bank of the country responds to the higher price of oil by increasing the money supply.
 - (i) Explain the process by which the increase in the money supply will affect the aggregate demand in the short run.
 - (ii) Indicate how the increase in the money supply will affect real output and the price level.
 - (d) Now assume that instead of using monetary policy in response to the oil price increase, the government reduces business taxes, which results in lower production costs. Using a new correctly labeled graph, show the effect of the reduction in business taxes on the following.
 - (i) Real output
 - (ii) Price level

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- 2. Due to an international financial crisis, Canada experiences a significant inflow of funds from other countries. Explain the effect that this inflow of funds will have on the following.
 - (a) The international value of the Canadian dollar
 - (b) Canadian net exports
 - (c) The real interest rate in Canada
 - (d) The level of investment in Canada

OUTPUT PER WORKER PER DAY		
	Units of	Units of
Country	Cloth	Food
Newland	10	2
Beeland	10	1

- 3. The table above gives the production alternatives of two nations that are producing cloth and food, using equal amounts of resources.
 - (a) (i) Calculate the opportunity cost of producing a unit of cloth in Newland.
 - (ii) Calculate the opportunity cost of producing a unit of food in Beeland.
 - (b) (i) Which nation has the comparative advantage in cloth production?
 - (ii) Which nation has the comparative advantage in food production?
 - (c) Now assume that the productivity of Beeland's workers triples for each good.
 - (i) Which country has a comparative advantage in food production?
 - (ii) Explain how you determined your answer.

END OF EXAMINATION