AP® MICROECONOMICS 2008 SCORING GUIDELINES

Question 2

5 points (1 + 2 + 2)

- (a) 1 point:
 - One point is earned for defining marginal utility as the extra satisfaction received from consuming an additional unit of a good or service.
- (b) 2 points:
 - One point is earned for concluding that Mandy should purchase more fudge and less coffee.
 - One point is earned for explaining that the per dollar MU for fudge is greater than the per dollar MU for coffee.
- (c) 2 points:
 - One point is earned for stating that the price elasticity of demand for good R is zero.
 - One point is earned for stating that none of the tax will be paid by the seller of good R, or that buyers pay all of the tax.

2

a) Marginal Utility is the satisfaction gained
from Consuming one more unit of a product.
b) Mandy should purchase more fudge and
less coffee in order to maximize her utility.
Corrently, Mandy's marginal utility per dollar
for hor last pound of fudge is 6 while her
marginal utility per dollar for her last pound
of coffee is 5. In order to balance her margina
Utility perdollar for her last pounds of
tility per dollar for her last pounds of fudge and coffee, she must buy more fudge
and less coffee.
4
chatha numerical value of the price elasticity
c) withe numerical value of the price elasticity
of demand for good R is O,
of demand for good R is O. (ii) If the government implements a per-unit
of demand for good R is O,
of demand for good R is O. (ii) If the government implements a per-unit tax of \$2 on good R, the seller will not pay any amount of the tax. Instead, the
of demand for good R is O. (ii) If the government implements a per-unit tax of \$2 on good R, the seller will not pay any amount of the tax. Instead, the
of demand for good R is O. (ii) If the government implements a per-unit tax of \$2 on good R, the seller will not pay any amount of the tax. Instead, the
of demand for good R is O. (ii) If the government implements a per-unit tax of \$2 on good R, the seller will not
of demand for good R is O. (ii) If the government implements a per-unit tax of \$2 on good R, the seller will not pay any amount of the tax. Instead, the
of demand for good R is O. (ii) If the government implements a per-unit tax of \$2 on good R, the seller will not pay any amount of the tax. Instead, the
of demand for good R is O. (ii) If the government implements a per-unit tax of \$2 on good R, the seller will not pay any amount of the tax. Instead, the
of demand for good R is O. (ii) If the government implements a per-unit tax of \$2 on good R, the seller will not pay any amount of the tax. Instead, the

(a) ma	rginal utility is the additional utility
	ned with the purchase of one
	Esal unit of a product.
4*************************************	
(b) ma	undy should prevaluate more coffice
	loss hulge because abovering she
	ill roceive a higher to be whility in
5	50
(i)	The last of the same
<u>ا</u> ،	The numerical value of the price as tity of demand is O.
21	as her of the contract of the
/ ·· \	7 1: 1: 2
	The seller will not pay ony of
	e tax because the added cashs
	Il be spilled over some directly
	to the consumers. The consumers
	e willing to pay any price, so the
	seles will have no troubled raish
- the	price by # 2 per unit.

Vrite in the box the number of the question you are answering in this page as it is designated in the exam.	2.

2.
a. marginal utility is equal to marginal cost.
marginal cost.
<u> </u>
b. Mandy should Purchase more
Fudge and less coffe because
the Marginal Utility of the last
pound of fudge is eight times
less than the Marginal utility
Of the cofee.
<u> </u>
<u>C.</u>
20
(i) The numerical value or the price
elasticity of demand For good Ris 20
(ii) The seller will pay \$ 40 of the
40.4.

AP® MICROECONOMICS 2008 SCORING COMMENTARY

Question 2

Overview

The question tested students' understanding of marginal utility analysis and price elasticity of demand. Part (a) asked students to define marginal utility. Part (b) asked them to identify the change in consumption necessary to maximize utility given numerical values of marginal utilities and prices for two goods. Part (c) asked students to identify the numerical value of the price elasticity of demand and the burden of a per-unit tax given that elasticity.

Sample: 2A Score: 5

All parts are correctly answered.

Sample: 2B Score: 3

The student lost 2 points in part (b) for choosing coffee instead of fudge and for providing an incorrect explanation of utility maximization.

Sample: 2C Score: 1

The student earned 1 point in part (b) for concluding that more fudge and less coffee should be purchased.