AP[®] MICROECONOMICS 2010 SCORING GUIDELINES (Form B)

Question 1

10 points (2 + 2 + 1 + 2 + 2 + 1)

- (a) 2 points:
 - One point is earned for identifying the output as Q_2 .
 - One point is earned for identifying the price as \$7.

(b) 2 points:

- One point is earned for identifying the output as Q_4 .
- One point is earned for identifying the price as \$0.
- (c) 1 point:
 - One point is earned for stating that the accounting profit is positive, because the firm earns zero economic profit. (Economic profit = Total revenue Explicit costs Implicit costs.)
- (d) 2 points:
 - One point is earned for identifying the break-even quantity as Q_3 .
 - One point is earned for stating that the demand at Q_3 is relatively inelastic.
- (e) 2 points:
 - One point is earned for stating that the demand curve for bridge crossings will shift down or to the left.
 - One point is earned for stating that the profit-maximizing output will fall.
- (f) 1 point:
 - One point is earned for stating that building a second bridge would be inefficient and for explaining that, because there are economies of scale, building a second bridge would raise the average total cost.

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

1052 Question

(a) Marginal Cost = Marginal Revenue 1. Dutput= Q2 (i) (ii) rice is the Drice the corresponding on demand curve for (X2 Output Price = \$7(6) Price = Marginal Cost = O the___ corresponding output The demand Curve Drice = 0tor Urtput=04 (ì) Price = DCÍÚ) At \$1 price, the (C) municipality's accounting Dositive. 13 Bécause: Economic profit = accounting profit opportunity cost When Drice= Average Istal so there's J no economic Drofit protit = opportunity Accounting > 0I hovetore, cost Cost = Prize AVerage CTotal Price = the corresponding the outo on demand curve is break-even The QL (1)ÌS output

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1A 20f 2



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

By definition, the Dictout (行) of دلا) *is* where unit elastic occurs (|E|=1). for any on the right of Doint The demand relatively nolast 0 < <はょうひょ SO the AT. Dut the demand is inelastic. helatively (e) Watercraft is a substitude of ()bridg so the demand cune will

So the demand curve will shift to the left. (ii) The marginal revenue curve will also shift to the left, causing the profit-maximizing output to decrease.

No, it won't be efficient Because expen the thrage ſŠ Phing econom scale Hding another one NICA i's cost Not average tota SD e-thia

Write in the box the number of the question you are answering on this page as it is designated in the exam. 1B

a Q Δ 1 0 Zerb Ĺ There for equals the average cost earned The -0 all used to cover costs 5 10 Ŵ ebstic (P crose COVERSE cost dravase while any 5 'n= es pn increac

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

1 C question

equal at the will (d) (j) The output Q2 in limited, (iv) the Price quai 40 Q12. condition, the (b) (v) will on the autout boint Pri<u>ce</u> will 120. The んと OLCO Untine C> The mumorpality's 2010 13 equal イク because equal to Avorgoe total COSt. than OV greater (op. (i). The brook ort Qz -evan Datput inelastic (12) jt's relatively a bridgo demond for CUND (e). (v) The 0.0ssiner mill in). will The profit - maximilio move a long out yet a her Sition curve and greater of the second bridge () 1V0, ast The Magin 15 Bene than. Social Margmor and sho benitzt uil decrease rouse Nege 1XX a out

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AP[®] MICROECONOMICS 2010 SCORING COMMENTARY (Form B)

Question 1

Sample: 1A Score: 10

The student earned all 10 points for this question.

Sample: 1B Score: 7

The student lost 1 point in part (c) for stating that the accounting profit is "zero." The student lost 1 point in part (d) for stating that the demand is "relatively elastic." The student also lost 1 point in part (f) for incorrectly answering "Yes."

Sample: 1C Score: 4

The student earned 1 point in part (a)(i) for identifying the correct output. The student earned both points in part (d). The student earned 1 point in part (e)(i) for stating that the demand curve "will shift left."