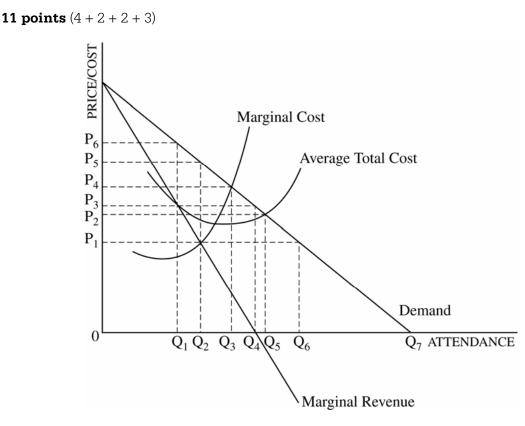
# AP<sup>®</sup> MICROECONOMICS 2006 SCORING GUIDELINES

# **Question 1**



### (a) 4 points:

- One point is earned for indicating P<sub>5</sub>, Q<sub>2</sub>.
- One point is earned for indicating P<sub>3</sub>, Q<sub>4</sub>.
- One point is earned for indicating  $P_4$ ,  $Q_3$ .
- One point is earned for indicating P<sub>2</sub>, O<sub>5</sub>.
- (b) 2 points:
  - One point is earned for stating that demand is elastic at  $Q_{1.}$
  - One point is earned for explaining that MR is greater than zero, OR  $Q_1$  is to the left of the midpoint, OR  $Q_1$  is in the upper half of the demand curve.
- (c) 2 points:
  - One point is earned for stating that accounting profits are positive.
  - One point is earned for explaining that economic profits are zero, opportunity costs exist, and economic profits=accounting profits-opportunity cost.
- (d) 3 points:
  - One point is earned for indicating Q7.
  - One point is earned for concluding that the outcome is not allocatively efficient.
  - One point is earned for explaining that MC>P or MSC>MSB.

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

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# AP<sup>®</sup> MICROECONOMICS 2006 SCORING COMMENTARY

## **Question 1**

#### Overview

The question tested students' ability to apply a number of microeconomic concepts to a museum facing a downward sloping demand curve. Part (a) asked students to identify the prices (admission fees) and quantities (attendance) associated with different objectives of the museum. Part (b) asked students to determine the range for the price elasticity of demand given a specific quantity. Part (c) required an understanding of accounting and economic profits. In part (d) students were asked to identify museum attendance and explain the allocative efficiency implications when there is no admission charge to the museum.

#### Sample: 1A Score: 11

The student received full credit.

### Sample: 1B Score: 7

The student lost 1 point for not identifying the correct total revenue-maximizing price and quantity in part (a)(ii), and 1 point in part (a)(iv) for not identifying the correct price and quantity combination that results in a break-even situation. One point was lost in part (b) for an inadequate explanation of why demand is price elastic at  $Q_1$ . One point was lost in part (d) for an inadequate explanation of why  $Q_7$  is not an allocatively efficient output.

#### Sample: 1C Score: 4

The student earned 1 point in part (a)(i) for identifying the correct profit-maximizing price and quantity and 1 point in part (a)(iii) for identifying the correct price and quantity combination that maximizes the sum of consumer and producer surpluses. Two points were earned in part (d) for correctly identifying  $\Omega_7$  and stating that this quantity is not allocatively efficient.