



AP[®] Microeconomics 2011 Scoring Guidelines Form B

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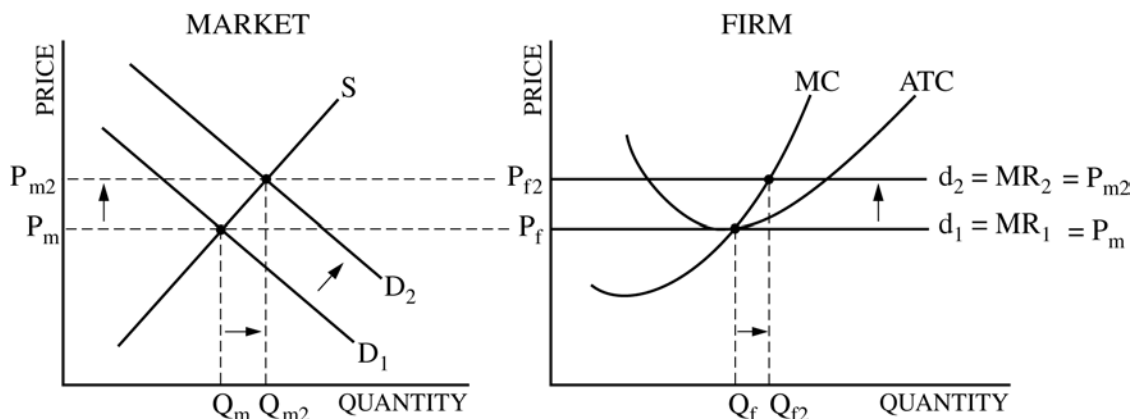
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AP[®] MICROECONOMICS
2011 SCORING GUIDELINES (Form B)

Question 1

10 points (3 + 1 + 2 + 2 + 2)

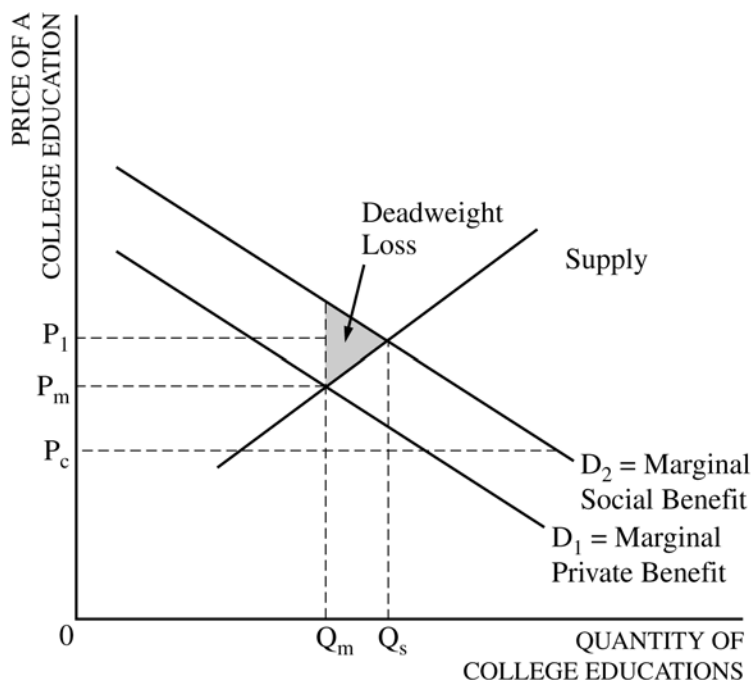


- (a) 3 points:
- One point is earned for a correctly labeled graph of the market showing a downward-sloping market demand curve, an upward-sloping market supply curve, and P_m and Q_m .
 - One point is earned for showing the firm's profit-maximizing quantity, Q_f , at $MC = MR$ with a horizontal demand curve.
 - One point is earned for showing the firm's average total cost (ATC) curve tangent to its demand curve at Q_f .
- (b) 1 point:
- One point is earned for stating that P_m is equal to P_f .
- (c) 2 points:
- One point is earned for showing a rightward shift of the market demand curve and showing P_{m2} and Q_{m2} .
 - One point is earned for showing the corresponding upward shift of the firm's demand curve and showing P_{f2} and Q_{f2} .
- (d) 2 points:
- One point is earned for stating that the number of firms increases because the existence of short-run profits attracts new firms to enter the industry.
 - One point is earned for stating that the firm's ATC curve will shift upward.
- (e) 2 points:
- One point is earned for stating that the long-run profit-maximizing price will be higher than P_f .
 - One point is earned for stating that the long-run profit-maximizing price will be lower than P_{f2} .

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Question 2

6 points (3 + 2 + 1)



(a) 3 points:

- One point is earned for a correctly labeled market graph, showing the equilibrium price and quantity, P_m and Q_m .
- One point is earned for showing a MSB curve above a MPB curve and for showing the socially optimal quantity, Q_s .
- One point is earned for shading the area representing the deadweight loss.

(b) 2 points:

- One point is earned for showing an effective (binding) price ceiling below P_m .
- One point is earned for stating that the price ceiling will increase the deadweight loss, because providers will decrease the quantity of education offered.

(c) 1 point:

- One point is earned for stating that the new equilibrium quantity will be greater than Q_m .

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Question 3

5 points (1 + 1 + 3)

(a) 1 point:

- One point is earned for identifying the profit-maximizing quantity of labor as 100 units.

(b) 1 point:

- One point is earned for identifying the wage rate TreeMart pays as \$10.

(c) 3 points:

- One point is earned for identifying the quantity of labor in a competitive labor market as 200 units.
- One point is earned for identifying the quantity of labor, 150 units, given a minimum wage of \$12.5.
- One point is earned for explaining that the MFC curve (or the supply curve for labor) becomes horizontal at the minimum wage up to a quantity of 150.