

AP[®] Micro Economics (Operational) 2004 Sample Student Responses

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on this page as it is designated in the examination.	<u></u>
	<u> </u>
a) The extendity is negative, because the	
for each additional unit is higher than	. the private
cost for that unit.	
b) The socially ophnal output is at Qz bec	lause that 15
where marginal social cost = marginal	
c) i) An unregulated monopoly would produ	
because that is where the production	
production costs (marginal private costs	
revenue.	3
ii) To move output from Q, to Qz, a	governet
subsidy is regulared.	
iii) The subsidy should be \$3 per cont.	. This would
push marginal private costs down to	
would then interect the marginal -	7
at Qz. the desired output.	
d) * i	·
i) A perfectly competitive firm would produ	ice at an
equilibrium output of Qz, because that	
their marginal private cost = demand.	
_ ii) To move output from Qz to Qz the go	transco
should tax the industry.	
iii) * \$5 tax is needed, which would m	love the
marginal private cost curve up to \$12.	
the & marginal private cost intersect the	· ·
cure at the desired output of Qz.	

Write in the box the number of the question you are answering

Write in the box the number of the question you are answering	7
on this page as it is designated in the examination.	
A) The externality is negative because	se it has a
greater isocial cost than private cos	5+.
(B) The socially optimem output is	Q2 because
that is where the Marginal Social	Benifit is
equal to the Marginal Social Cost.	
@A profit-maximizing monopoly u	ill produce
at the level where Marginal Private C	
Marzinal Revenue, therefore product	es Qi units
of good X. To produce a socially of	stimum output, Q
the government should solds state the	
firmitation per dollar per-	-unit.
DA perfectly competative industry	will produce
TO MOCIETY OF THE	
produce a socially optimum output of Qi should subsidize the firms in this Indus of 5 per-unit.	2 the government
should subsidize the firms in this Indus	stry at a rate
of \$5 per-unit.	·1
,	

Write in the box the number of the question you are answering on this page as it is designated in the examination.	1
The externality is negative because it ex	ists below the
Marginal Social Benefit.	
(b) The socially optimum output would be	az because here
it exceeds or meets all costs & benefit.	
(i) Qi because it is where MPC crosses M	IR, however they
would set price up to 13 where Q.	leads up to demand
(ii) It should tax the firm because at this	level tney are
attaining an transmix profit.	
(iii) \$6	·
(d) (i) Q; where MPC meets MR.	
(ii) They should subsidize the firm becau	se they area
producing at a level whom they	he not meeting
demand. There exists a shortage.	
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