國立成功大學 114學年度碩士班招生考試試題

編 號: 184

系 所:電信管理研究所

科 目:經濟學

日 期: 0211

節 次:第1節

注 意: 1.不可使用計算機

2.請於答案卷(卡)作答,於 試題上作答,不予計分。

The exam has 20 questions in blank and total.	each question is 5 points. There are 100 points in
Question 1. (35 points)	
A case study of the federal minimu	-
Using a supply-and-demand diagram wage, the number of workers who ar	the equilibrium wage in the market for unskilled labor. of the market for unskilled labor, show the market e employed, and the number of workers who are ge payments to unskilled workers.
b. Now suppose the Secretary of Labor	proposes an increase in the minimum wage. What
	mployment? Does the change in of demand, the elasticity of supply, both elasticities,
c. What effect would this increase in t	the minimum wage have on unemployment?
_	unemployment depend on the elasticity of demand, the
elasticity of supply, both elasticities	
	ere inelastic, would the proposed increase in the
	al wage payment to unskilled workers?
would your answer change it the de	mand for unskilled labor were elastic?
	bumping large amounts of water is harder than pumping bottle of water rises as he pumps more. Here is the f water.
Cost of first bottle	\$1
Cost of second bottle	\$3
Cost of third bottle	\$5
Cost of fourth bottle	\$7
bottled water.	supply schedule. Graph Ernie's supply curve for
	\$4, how many bottles does Ernie produce and sell? surplus does Ernie get from these sales? Show Ernie's
producer surplus in your graph	
c. If the price rises to \$6, how does t	he quantity supplied change? How does
Ernie's producer surplus change? Sh	ow these changes in your graph.
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Question 3. (20 points)

There are three industrial firms in Happy Valley.

Firm	Initial Pollution Level	Cost of Reducing Pollution by
*		1 Unit
Α	20 units	\$20
В	40 units	\$30
C	20 units	\$10

	The government wants to reduce pollution to 60 units, so it gives each firm 20 tradable
ро	llution permits.
α,	Who sells permits, and how many do they sell? Who buys permits, and how many do they buy? Briefly explain why the sellers and buyers are each willing to do so. What is the total cost of pollution reduction in this situation?
b.	How much higher would the costs of pollution reduction be if the permits could not be traded?
Qı	uestion 4. (20 points) Suppose that people consume only three goods, as shown in this table.
	Tannic Ralle Golf Ralls Rottles of Gatorade

	Tennis Balls	Golf Balls	Bottles of Gatorade
2023 price	\$2	\$4	\$1
2023 quantity	100	100	200
2024 price	\$2	\$6	\$2
2024 quantity	100	100	200

a.	What is the percentage change in the price of each of the three goods?
	Using a method similar to the CPI, compute the percentage change in the overall price
	level.
C.	If you were to learn that a bottle of Gatorade increased in size from 2023 to 2024, should that information affect your calculation of the inflation rate? If so, how?
d.	If you were to learn that Gatorade introduced new flavors in 2024, should that information affect your calculation of the inflation rate? If so, how?