淡江大學 97 學年度碩士班招生考試試題

89-1

系別:財務金融學系

科目:經濟學

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	簡單	型計算	人栈	
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-	_	
1. (5%) The Federal Reserve usually	keeps the discou	int rate
(a) equal to the target federal funds r	ate.	•
(b) above the target federal funds rate		1
(c) below the target federal funds rate	e.	
(d) equal to zero.	,	
2. (5%) The amount of borrowed res		_ related to the discount rate,
and is related to the market	t interest rate.	
(a) positively; negatively		`
(b) positively; positively		V so
(c) negatively; negatively(d) negatively; positively		
3. (5%) An expansionary monetary p	nolicy lowers the	real interest rate causing the
domestic currency to, the		
(a) appreciate; raising	,	
(b) appreciate; lowering		
(c) depreciate; raising		•
(d) depreciate; lowering		
Buyers do not know if a car is a lemoto pay 120 percent of seller's value for and \$2,000 for a lemon. In market eq (a) price is between 4,000 and 4,800, (b) price is between 4,000 and 4,800, (c) price is between 2,000 and 2,400, (d) price is between 2,000 and 2,400,	or a car, and selle juilibrium, and deadweight and deadweight and deadweight	loss is zero. loss is zero. loss is zero. loss is zero.
5. (5%) The production function $Q =$	$(X_1^{-1} + X_2^{-1})^{-1}$ yi	elds the following formula for
the marginal rate of substitution in pr	roduction of input	$t 2 (X_1)$ for input $1(X_1)$ (that is,
the slope of the isoquant with X ₁ or		
axis):		
(a) X_1/X_2		
(b) $(\mathbf{X}_1/\mathbf{X}_2)^{1/2}$ $(\mathbf{X}_1/\mathbf{X}_2)^{1/2}$		
(c) $(X_1/X_2)^2$	**	the state of the s
(d) -1	,	
6. (20%) Suppose the demand for ci	garettes is Q = 15	-0.5P and the supply of
cigarettes is $Q = P - 3$, where P is the		
government imposes a cigarette tax o		-
(1) What is the price received by pro		
(2) What is the price faced by consur	mers?	
(3) What is the government revenue		
(4) What is the total dollar amount o	f tax revenue paid	i by consumers?

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7. (20%) Suppose two individuals, Perry and Jacky, are the island. Each individual has an endowment of 10 hours of la devoted to the production of yams (Y) and fish (F). These gaccordingly to the following production functions: $Y = 3L_y$	bor (L) that is	completely roduced	
$F = 2L_F$		t_i^*	
·			
The utility functions of Perry and Jacky are given by: $U_p = Y_p^{0.5} F_p^{0.5}$, l ,		
$U_1 = Y_1^{0.3} F_1^{0.7}$	As Bur .	G. Bangaran	
Assuming that the wage rate is one, the island is a perfect case in the case of the Robinson's island that every morning the individuals come from a neighbor island to be the managers auctioneer (the salaries of the three individuals are covered grants).	here will be the s of the firms	and the	
(1) Write out the equation for the production possibilities fi	rontier of this	economy.	
(2) Find the prices of Y and F.	•	Ny 1844	
(3) Find the quantities of Y and F demanded by Perry and J	lacky.	· 44 · 641	
(4) What will be the allocation of labor on Y and F?	·, '	فجأت المراد	
	(actal)		
8. (15%) The Phillips curve for the Simpleland is			
$\dot{P}(U) = \frac{0.0012}{U - 0.03} = 0.02$	1 4		
And for the Econoland is	, , , , , , , , , , , , , , , , , , , ,		
And for the Econoland is $\dot{P}(U,\dot{P}^c) = \frac{0.0012}{U - 0.03} - 0.02 + \dot{P}^c$	that has sometime	· · · · · · · · · · · · · · · · · · ·	
Where P is the rate of inflation, P° is the expected rate of inf	flation and U	s the	
unemployment rate.			
(1) What is the full-employment rate of unemployment (i.e unemployment rate) in Simpleland?	., the inflation	-threshold	
(2) What is the natural rate of unemployment in Econoland	? ,		
(3) What is the significance of the difference between the t	wo alternative	formulations	3
of the Phillips Curve?	•		
77 ve 1/3 v 2/3	701 '	1	
9. (20%) Suppose the production function is $Y = K^{1/3} L^{2/3}$.	ine saving ra	te is U.A. The	
rate of depreciation is 0.1. Both labor force growth and to	chnological g	rowth are	
zero. Denote $k = K/L$ as the ratio of capital to worker.	š.	2 X X	
(1) What is k*, the steady-state value of k?	. (37)0	i tie	
(2) If $L = 1000$, what is the steady-state value of total out	put (Y)?		
(3) What is the Golden Rule level of k'?		ŷ	
(4) What saving rate will produce that Golden Rule level o	t k ?		
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