系所別:財務金融學系 科目:經濟學

第2節

第1頁,共6頁

注意:(1) Part I 有 20 題單選題,依照題號順序,將答案寫在答案卷第一頁選擇題作答區 對應題號空格內 (第1~20格)。每格答對得3分,答錯或未作答0分。

(2) <u>答題不要求任何計算過程,只依答案格內的答案對錯給分。</u>

Part I: 單選題	(每題3分	,共60分)
-------------	-------	--------

Pa	rtI:單選題(每題3分,共60	分)		
1.	Over the past ye	ear, output grew 6%, ca	pital grew 8%, and labor	r grew 3%. If the labor	r income accounted for
			did productivity grow?		
	(A) 0%	(B) 1%	[C] 2%	[D] 5%	[E] -5%
2.	market with sup and labor force	ply of labor $N^s = 25 \text{ m}$ equals 125, the labor ployment equals	an economy is $Y = 2.5K$ v^2 , where w is the real w market equilibrium important. —. [C] 1.5; 55%	age rate. Suppose cap lies the real wage is	ital stock is 16, $K = 16$, and the rate of
3.	Follow O2 Nov		ernment levies a labor in		
٠.	NOT the labor in		crimient ievies a labor m	come tax rate or i =	2076. What effect does
	[A] Labor sup	oply curve shifts to N^s	$=25[(1-\tau)w]^2$.		
		ent reduces to $N = 20$, ,		
	[C] Unemploy	yment rate increases to	84%.		
	[D] Real wage	e decreases to 0.89.			
	[E] Output de	creases to below 45.			
4.	and velocity of orate is 4%, by Fi	circulation of money is sher equation, the nom	y, if money is growing 50 constant, then inflation inal interest rate is	rate is; more	over, if the real interest
	(A) 5%; 9%	(B) 5%; 1%	【C】3%; 7%	[D] 3%; 1%	[E] 7%; 11%
5.	(A) real GDF	and the interest rate to and the interest rate to	nt expenditure will cause o rise in both Classical and o rise in Classical model o rise in Keynesian mode	nd Keynesian models. only.	
			sian model and the interes	•	Classical model.
	[E] real GDF	to rise only in Classic	al model and the interest	rate to rise only in Ke	ynesian model.

系所別:財務金融學系 科目:經濟學

第 2 節

第2頁,共6頁

6.	(A) price is f (B) investme (C) money d (D) marginal	ry fiscal policy in Keyn flexible instead of rigid ent is very sensitive to emand has a transaction propensity to consumant	the interest rate. on motive. e is close to one.	ally has a crowding ou	t effect <u>unless</u>
7.	An economy ha	s the Phillips curve: 2	$\pi_t = \pi_t^e - 2(u_t - 0.06)$. I	et the expected inflation	on rate at $t = 1$ equal zero
					t people have adaptive
					β equals 0.5. What will
			nent intends to set the ur		
	[A] 2%	(B) 3%	[C] 4%	(D) 5%	(E) 6%
8.	(A) increase (B) increase (C) increase (D) increase (D)	both the price level and the price level, but leav the price level, employ the price level, but dec	an unanticipated increated employment, but decrease employment and the real wage trease employment and the rease employme	ease the real wage. real wage unchanged the real wage.	11
9.	reach the Golde new steady state		l per worker, it should _. rker will		e Golden Rule level. To e. In the transition to the

- 10. An expansionary monetary policy by the central bank includes which of the following?
 - [A] Lowering of the reserve requirement

[C] decrease; always exceed the initial level.

- [B] Lowering of the discount rate
- [C] The purchase of securities in the open market

[B] increase; first fall below then rise above the initial level.

decrease; first fall below then rise above the initial level.decrease; first rise above then fall below the initial level.

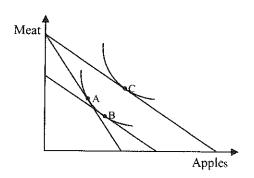
- [D] All of A, B, and C
- [E] None of A, B, and C

系所別:財務金融學系

第 2 節

第3頁,共6頁

科目:經濟學



- 11. The above figure shows a decrease in the price of apples. Which of the following is true?
 - [A] The substitution effect is the movement from A to B and the income effect is the movement from B to C.
 - [B] The substitution effect is the movement from C to B and the income effect is the movement from B to A.
 - [C] The substitution effect is the movement from A to C and the income effect is the movement from C to B.
 - [D] The substitution effect is the movement from B to C and the income effect is the movement from C to A.
 - [E] The substitution effect is the movement from C to A and the income effect is the movement from A to B.
- 12. Which of the following is most likely to be a variable cost?
 - [A] Property taxes.
 - [B] Interest on outstanding bonds.
 - [C] Insurance premiums.
 - [D] Wage payments.
 - [E] Payments to employees with long-term contracts.
- 13. Let MC = marginal cost, MP = marginal product, w = wage, TC = total cost, and VC = variable cost. Using this notation, MC =
 - $[A] w \times MP$.
- [B] (TC+VC)/w.
- [C] MP/w.
- [D] w/MP.
- [E] 1/MP.
- 14. Connie has X, and the interest rate is r. Her two-period budget constraint is the line connecting ____ in future consumption and ____ in current consumption.
 - [A] X; X
 - **(B)** X(1+r); X
 - [C] X; X(1+r)
 - **[D]** X/(1+r); X
 - [E] X, X/(1+r)
- 15. Suppose you are to inherit \$10,000 a year from now and have just sold your rights to that inheritance for \$9,700, and that you would have accepted no less than \$9,389 in exchange for those rights. What is the current interest rate?
 - [A] 2.8%
- [B] 2.9%
- [C] 3.0%
- [D] 3.1%
- [E] 3.2%
- 16. Which of the following production functions exhibit constant returns to scale? In each case y is output and K and L are inputs. (1) $y = K^{1/2}L^{1/3}$ (2) $y = 3K^{1/2}L^{1/2}$ (3) $y = K^{1/2} + L^{1/2}$ (4) y = 2K + 3L.
 - [A] 1, 2 and 4
- (B) 2, 3 and 4
- (C) 1, 2 and 3
- [D] 3 and 4
- (E) 2 and 4

系所別:財務金融學系 科目:經濟學

第 2 節

第4頁,共6頁

- 17. If there are negative externalities associated with the production of a good and the government imposes a policy that forces producers to pay these cots, the equilibrium price
 - [A] will rise and the equilibrium quantity will fall.
 - [B] will fall and the equilibrium quantity will increase.
 - [C] and the quantity will both fall.
 - [D] and the quantity will both increase.
 - [E] will rise but the change in quantity will be indeterminate.
- 18. If both firms behave as leader firms, then
 - [A] Cournot equilibrium results.
 - [B] Stackelberg equilibrium results.
 - [C] Stackelberg disequilbrium results.
 - **[D]** Bertrand equilibrium results.
 - [E] Cournot and Bertrand equilibrium results.

In answering the questions, consider the following game where two shops are deciding about whether to charge a high or low price. The outcomes are represented as (McDonald, KFC).

McDonald	

	Low price	High price
Low price	(200, 200)	(500, 100)
High price	(100, 500)	(300, 300)

- 19. Refer to the example above, the equilibrium of this game, if played only once, is that
 - [A] only McDonald charges a low price.
 - [B] both firms charge a low price.
 - [C] only KFC charges a low price.
 - [D] both firms charge a high price.
 - [E] none of the above answers are correct.
- 20. Refer to the example above, if this game is repeated over an infinite or uncertain horizon, the most likely observed behavior will be that
 - [A] only McDonald charges a low price.
 - [B] both firms charge a low price.
 - [C] only KFC charges a low price.
 - [D] both firms charge a high price.
 - [E] none of the above answers are correct.

系所別:財務金融學系

第 2 節

第5頁,共6頁

科目:經濟學

- 注意:(1) Part II 有 8 格填空題,依照格號順序,將答案寫在<u>答案卷第一頁選擇題作答區下方的橫線作答區內。每一列填一格答案</u>,依序先寫格號,再寫答案。<u>每格答對</u>得 5 分,答錯或未作答 0 分。
 - (2) 計算題不要求任何計算過程,只依每一列對應格號的答案對錯給分。
 - (3) 請保持答案卷第一頁的整齊乾淨,非答案的計算過程請勿列入。

Part II: 填空題 (每格 5 分, 共 40 分)

- 1. Consider an economy with the consumption function: $C = 200 + 0.75Y_D$, where Y_D is disposable income. The investment function is I = 200 25r. Government purchases and taxes are both 100. The money demand function is $M^d/P = Y 100r$. The money supply M is 1,000 and the price level P is 2. Suppose that the government plans to issue consumer vouchers (消費券) to add to the autonomous consumption to raise equilibrium real GDP to Y = 1,200. How much consumer vouchers need to be issued? **Answer:** (21)
- 2. Country A and country B both have the production function: $Y = F(K, L) = K^{1/2}L^{1/2}$. Assume that neither country experiences population growth nor technological progress and that 5 percent of capital depreciates each year. Assume further that country A saves 10 percent of output each year and country B saves 20 percent of output each year. Denote the steady-state level of capital per worker for country A and B to be k_A^* and k_B^* , respectively. What is the ratio of k_B^* over k_A^* , k_B^*/k_A^* ? Answer: (22)
- 3. Among the following Taiwan business indicators, which is (are) leading indicator(s)? Answer: <u>(23)</u>. (以代號填答,多寫扣分,扣至本題零分為止)
 - a. Index of export orders
- b. Industrial production index
- c. Monetary aggregates M1B

- d. Unemployment rate
- e. Stock price index
- f. Building permits

- g. SEMI book-to-bill ratio
- h. Index of producer's shipment for manufacturing
- i. Nonagricultural employment
- j. Inventories to sales ratio for manufacturing

系所別:財務金融學系

第 2 節

第6頁,共6頁

科目:經濟學

- 5. A perfectly competitive firm has a cost function given by $STC(q) = q^2 + 8q + 1$. If there are 500 identical firms in this industry, what is the industry's supply curve? **Answer:** (25). If the market demand function is $Q^D = -50p + 1000$, what is the equilibrium level of output for an individual firm? **Answer:** (26).

(試題結束!)