編號: 2	289 國立成功大學一〇〇學年度碩士班招生考試試題	共ら頁・第一頁
系所組別:	財務金融研究所在職專班甲組	
考試科目:	財務管理概論(專班)	考試日期:0219,節次:3
※考生請注	注意:本試題 回可 回不可 使用計算機	
	睛勿在本試題紙上作答,否則不予計分	
I. Multi	iple-Choice Questions (75%, each question accounts for 3%)	
with it bet asset	ou want your portfolio beta to be 1.20. Currently, your portfolio consists of \$10 a beta of 1.4 and \$300 in stock B with a beta of .6. You have another \$400 to 5 etween an asset with a beta of 1.6 and a risk-free asset. How much should you in t? 50 B. \$140 C. \$200 D. \$320 E. \$400	invest and want to divide
2. W	What is the portfolio variance if 30% is invested in stock S and 70% is invested	in stock T?
	ate of Probability of <u>Returns if State Occurs</u> onomy <u>State of Economy</u> <u>Stock S</u> <u>Stock T</u>	
Boo		
	ormal 60% 6% 4%	
A0	002220 B004056 C006224 D008080 E098000	
on a	The risk-free rate of return is 4% and the market risk premium is 8%. What is the stock with a beta of 1.28? 1.12% B. 10.24% C. 13.12% D. 14.24% E. 15.36%	ne expected rate of return
the m A. T B. N C. TI	uvo, Inc. stock has a beta of .86 and an expected return of 10.5%. The risk-free market rate of return is 11.2%. Which one of the following statements is true gi The return on Nuvo stock will graph below the Security Market Line. Juvo stock is underpriced. The expected return on Nuvo stock based on the Capital Asset Pricing Model is	iven this information?

D. Nuvo stock has more systematic risk than the overall market.

E. Nuvo stock is correctly priced.

5. Estimates using the arithmetic average will probably tend to ______ values over the long-term while estimates using the geometric average will probably tend to ______ values over the short-term. A. overestimate; overestimate B. overestimate; underestimate C. underestimate; overestimate D. underestimate E. accurately; accurately

6. Capital market history shows us that the average return relationship from lowest to highest between securities is:

A. inflation, corporate bonds, Treasuries, small company stocks, large company stocks.

B. inflation, Treasury Bills, large company stocks, small company stocks.

C. Treasury bills, government bonds, large common stocks, corporate bonds, small company stocks.

D. Treasury bills, large common stocks, government bonds, corporate bonds, small company stocks.

E. There is no ordering.

(背面仍有題目,請繼續作答)

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7. You have a sub-contracting job with a local manufacturing firm. Your agreement calls for annual payments of \$50,000 for the next five years. At a discount rate of 12 percent, what is this job worth to you today?

A. \$180,238.81 B. \$201,867.47 C. \$210,618.19 D. \$223,162.58 E. \$224,267.10

8. A bond that allows the holder to force the issuer to buy back bonds at a stated rate is called a: A. put bond. B. call bond. C. guaranteed bond. D. TIPS bond. E. none of these.

9. The relationship between nominal interest rates on default-free, pure discount securities and the time to maturity is called the:

A. liquidity effect.D. inflation premium.B. Fisher effect.C. term structure of interest rates.E. interest rate risk premium.

10. B&K Enterprises will pay an annual dividend of \$2.08 a share on its common stock next year. Last week, the company paid a dividend of \$2.00 a share. The company adheres to a constant rate of growth dividend policy. What will one share of B&K common stock be worth ten years from now if the applicable discount rate is 8%? A. \$71.16 B. \$74.01 C. \$76.97 D. \$80.05 E. \$83.25

11. The total rate of return earned on a stock is comprised of which two of the following? I. current yield II. yield to maturity III. dividend yield IV. capital gains yield A. I and II only B. I and IV only C. II and III only D. II and IV only E. III and IV only

12. The internal rate of return (IRR):

I. rule states that a typical investment project with an IRR that is less than the required rate should be accepted.

II. is the rate generated solely by the cash flows of an investment.

III. is the rate that causes the net present value of a project to exactly equal zero.

IV. can effectively be used to analyze all investment scenarios.

A. I and IV only B. II and III only C. I, II, and III only D. II, III, and IV only E. I, II, III, and IV

13. Which of the following are examples of an incremental cash flow?
I. an increase in accounts receivable II. a decrease in net working capital III. an increase in taxes IV. a decrease in the cost of goods sold A. I and III only B. III and IV only C. I and IV only D. I, III, and IV only E. I, II, III, and IV

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	·	
A. fixe	Il else constant, the accounting break-even level of sales will decrease when the ed costs increase B. depreciation expense decreases. C. contribu riable costs per unit increase. E. selling price per unit decreases.	
A. op	Which of the following are hidden options in capital budgeting? ption to expand. B. timing option. C. option to abandon. Il of these. E. None of these.	
A. con B. con C. is tl	the efficient set of portfolios nations the portfolio combinations with the highest return for a given level of risl nations the portfolio combinations with the lowest risk for a given level of return he lowest overall risk portfolio. th A and B E. Both A and C.	
A. cho B. cho C. nev time. D. inv tolerar	The separation principle states that an investor will: bose any efficient portfolio and invest some amount in the riskless asset to gene bose an efficient portfolio based on individual risk tolerance or utility. over choose to invest in the riskless asset because the expected return on the risk rest only in the riskless asset and tangency portfolio choosing the weights based nce. of these.	less asset is lower over
A. cor B. NP C. risk D. firr	ne use of WACC to select investments is acceptable when the: crelations of all new projects are equal. V is positive when discounted by the WACC k of the projects is equal to the risk of the firm. m is well diversified and the unsystematic risk is negligible ne of these.	

(背面仍有題目,請繼續作答)

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考試	科目	財務管理概論	(專班)		考試已期 0219 · 節吹: 3
* =	考生講	注意:本試題	口向 口不可 使用	計算機	
	the co A. ho B. ho C. wh D. the	st of capital depe v small the estim v similar the firm ether the compan	nds on: ation errors are of all	dustry. The decision to use the industry betas across industries. e operations of all other firms in the ind ver.	
	with s A. rise C. rise	uperior technolog gradually over t on the same day		s an announcement of a new product or NPV the price of the stock will: B. decline gradually over the next few D. stay at the same price, with no net e	days.
	A. the B. tha C. lev D. cap	value of an unle t one capital strue erage does not af	without taxes is used t vered firm equals that cture is as good as and fect the value of the fi inges have no effect o	of a levered firm. other.	
	debt i	s 10%. What is it		If it had no debt, its cost of equity wou re are no taxes or other imperfections? . None of these.	ld be 15%. Its cost of
				expiration the call is said to be: . D. in the money. E. out of the mon	iey.

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 24. The Black-Scholes option pricing model is depet A. Stock price, exercise price, risk free rate, probability. B. Stock price, risk free rate, probability, time to match to compare the price, risk free rate, probability, variance and D. Stock price, exercise price, risk free rate, variance E. Exercise price, probability, stock price, variance and the price price, probability. 	lity, and time to maturity. turity, and variance. nd exercise price. e and time to maturity.
and a call option on this stock with an exercise price	ave started circulating. These rumors are causing the this situation, you decide to buy both a one-month put of \$15. You purchased the call at a quoted price of \$.20 al profit or loss on these option positions if the stock 0
II. Short Essay Questions (25%);	
 (10%). We routinely assume that investors are risk-a risk. If so, why do we contend that only systematic 	averse return-seekers; i.e., they like returns and dislike risk and not total risk is important?
 (10%) What are the upper and lower bounds for an each case if the bound was violated. 	n American call option? Explain what would happen in

3. (5%) Sanjay's Incorporated is analyzing two machines to determine which one it should purchase. The company requires a 14% rate of return and uses straight-line depreciation to a zero book value. Machine A has a cost of \$290,000, annual operating costs of \$8,000, and a 3-year life. Machine B costs \$180,000, has annual operating costs of \$12,000, and has a 2-year life. Whichever machine is purchased will be replaced at the end of its useful life. Which machine should Sanjay's purchase and why?