

考 試 科 目	財務管理	系 所 別	金融學系/金融管理組	考 試 時 間	2 月 7 日(五) 第 三 節
1. Given the following information:					
Expected return on Stock A				0.12(12%)	
Standard deviation of return on Stock A				0.10	
Expected return on Stock B				0.20(20%)	
Standard deviation of return on Stock B				0.60	
Correlation coefficient of the returns on Stock A and Stock B				0.2	
a. What are the expected returns and standard deviations of the following portfolios:					
(1) (2 points) 100 percent of funds invested in Stock A?					
(2) (2 points) 100 percent of funds invested in Stock B?					
(3) (4 points) 50 percent of funds invested in each stock?					
b. (7 points) What would be the impact if the correlation coefficient were 0.6 instead of 0.2?					
2. Answer following questions.					
a. (5 points) The inventory turnover for an industry is 6 (every two months) but Slow Corp. turns over its inventory 4 times a year (every three months). If annual sales are \$1,000,000 and the interest cost to carry inventory is 12 percent, what is the potential savings in interest expense if the firm achieves the industry for the turnover of its inventory?					
b. (5 points) If the industry average days sales outstanding is 65 days and a firm with sales of \$1,034,550 has receivables of \$268,700, how much in interest expense could the firm save if the receivables turn over as quickly as the industry average and the cost of carrying the receivables is 9%?					
3. Two stocks each pay a \$1 dividend that is growing annually at 8 percent. Stock A has a beta of 1.3; stock B's beta is 0.8.					
a. (5 points) Which stock is more volatile?					
b. (5 points) If treasury bills yield 6 percent and you expect the market to rise by 12 percent, what is risk adjusted required rate of return for each stock?					
c. (5 points) Using the dividend growth model, what is the maximum amount you would be willing to pay for each stock?					
d. (5 points) Why are your valuations different?					
4. Answer following questions.					
a. (10 points) Define and discuss the Sharpe, Treynor, and Jensen measures of portfolio performance evaluation, and the situations in which each measure is the most appropriate measure.					
b. (5 points) What is the problem with using the Sharpe measure for evaluation of an active portfolio management strategy?					
備	註	一、作答於試題上者，不予計分。 二、試題請隨卷繳交。			

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5. (10 points) Discuss why common stocks must earn a risk premium.
6. (10 points) Discuss the differences between the capital market line and the security market line.
7. (10 points) Although the expectations of increases in future interest rates can result in an upward sloping yield curve; an upward sloping yield curve does not in and of itself imply the expectations of higher future interest rates. Explain.
8. (10 points) With regard to market efficiency, what is meant by the term "anomaly"? Give three examples of market anomalies and explain why each is considered to be an anomaly.

