- 1. 常用的共同基金績效評估方法有那些?他們背後的原理為何?(15%)
- 2. 假設日圓的即期匯率是1美元=¥125,90天期遠期匯率為1美元=¥120。(13%)
 a. 日圓預期會走強或走軟?
 - b. 若目前美元的利率為 10%,日圓的利率為 8%,是否有套利空間?如何 套利?
- 有一家公司發行 A 與 B 兩種普通股股票,除了股利之外,其餘的權利與風險 皆相同。今天為除息日,A 股股票的現金股利為每股\$2.00,預期股利的成長 率為 4%,A 股的股價為\$20(已除息)。B 股股票預期自二年後才能開始配現 金股利(即 B 股明年沒有現金股利的配息權),且以後每年 B 股的現金股利是 A 股的 80%。請問:B 股的合理股價為多少元?(15%)
- 4. Bond pricing: (16%)
 - a. A newly issued 2-year maturity, zero-coupon bond is issued with a yield to maturity of 8% and face value \$1,000. Find the bond's issuing price.
 - b. A bond has a current yield of 9% and a yield to maturity of 10%. Is the bond selling above or below par value? Explain.

-	The asset portiono has the following characteristics. (1070)					
	Asset	Expected	Standard	Weight	Correlation	Correlation
		Return	Deviation		between Y	between Z
					return	return
	Х	15%	22%	0.50	0.3	0.2
	Y	10%	15%	0.40	1	0.4
	Z	6%	10%	0.10	0.4	1

5. A three-asset portfolio has the following characteristics: (16%)

a. What is the expected return on this portfolio?

b. What is the standard deviation of the portfolio return?

6. Consider the following two mutually exclusive projects: (Your required return on investment is 15 percent).

Year	Cash Flow (A)	Cash Flow (B)	
0	-\$170,000	-\$18,000	
1	10,000	10,000	
2	25,000	6,000	
3	25,000	10,000	
4	380,000	8,000	

(TOTAL 25 POINTS)

a. If you apply the payback criterion, which investment will you choose? Why?

b. If you apply the discounted payback criterion, which investment will you choose? **Why**?

c. If you apply the NPV criterion, which investment will you choose? Why?

d. If you apply the IRR criterion, which investment will you choose? Why?

e. Based on your answers in (a) through (d), which project will you finally choose? **Why**? (That is, what criterion is the best in this case? And **Why**?)