

www.chenwei One can determine the present value of risky cash flows by estimating:

- the expected cash flows and then discount these at a rate that is consistent I. with the risk of the cash flows;
- II. the certainty-equivalent cash flows and then discount these at the risk-free www.chenwei.co
- III. the expected cash flows and then discount these at the risk-free rate.

(B) II only. (C) I and II only. (D) III only. (A) I only.

Http://www When firms award stock options to managers as incentives, they typically set the 6. exercise price of these options equal to the firm's:

(A) stock price on the day the options are granted.

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- Http://www.chenwei.co (B) expected stock price one year from the day the options are granted.
- (C) expected stock price on the expiration date of the options.
- (D) stock price on the day the manager was hired.
- 7. Bombay Company's book and market value balance sheets are: (NWC = net working capital; LTA = long term assets; D = debt; E = equity;

市港田	V = firm value):
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rate;

V = firm	value):	ing cupic		iong term	ubbets,	tw	heg	Fill Finwei.com
Books	Values	Chi	a px	Market	Values	6	Http://w	MM.C.
NWC	200	500 H	D	NWC	200	500	D	
LTA	<u>2300</u>	<u>2000</u>	E	LTA	<u>2800</u>	2500	Е	TIT
IIIm	2500	2500	V	MET	3000	3000	V	e 岳管 切7

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According to MM's Proposition I corrected for taxes, what will be the change in company value if Bombay issues \$200 of equity and uses it to make a permanent reduction in the company's debt? Assume a 35% marginal corporate tax rate.

(A) +\$140 (B) +\$70 (C) \$0 (D) -\$70

The value of a bond is given by: 8.

on stock

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106-2

I. bond value = asset value - value of call option on assets

II. bond value = value of an equivalent default-free bond + value of put option on assets

III. bond value = value of an equivalent default-free bond + value of put option

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www.chenwei IV. bond value = asset value + value of call option on the stock (B) I and II only. (C) III and IV only. (A) I only. (D) IV only.

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- A firm may prefer to issue a convertible bond, as opposed to issuing equity, 9. because:
 - I. a convertible issue sends a better signal to investors than an issue of common
 - stock;
 - II. an announcement of a stock issue generates worries of overvaluation and usually depresses the stock price;

III. a convertible issue shows the management's willingness to take a chance that the stock price will rise enough to lead to conversion and also signals w.chenwei.co

- management's confidence in the future
- (B) III only. (C) I and II only. (D) I, II, and III (A) I only.
- **10.** The call policy that maximizes shareholder wealth is to call a bond issue when:
 - (A) the bond's price is above par.
 - (B) the bond's price is above par, but below the call price.
 - (C) the bond's price exceeds the call premium.
 - (D) the bond's price equals or exceeds the call price.
- **11.** Large business combinations in Japan are normally carried out through reciprocal ownership of common stock. These networks, or keiretsu, involve a large number of diversified companies centered around a large bank, industrial
 - firm, or trading firm. One of the main benefits of this structure is argued to be: Http://ww
 - (A) the monopolistic control of economic segments.
 - (B) the reduction in the costs of financial distress.
 - (C) large-scale diversification that cannot be done by individual shareholders.
 - (D) greater efficiency in management because the management skills are
 - homogenous even for firms in different industries.

12. Consider a three-tier pyramid and a single operating company. Assume that 51% of the votes confer control at each tier. What is the minimum percentage ownership (approximately) at the highest level in the pyramid that will enable control of the operating company? Http://www.chenwei.com.tw (D) 26% Http://www.chenwei.com

(A) 100% (B) 51% Http://www.chenwei.com

106-3

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- Part II. Problems (52 points, <u>detail procedures must</u>be provided):
 - (4 points) Why do nonfinancial corporations need modern financial markets and institutions?
- (4 points) Wilt's has earnings per share of \$2.98 and dividends per share of 2. www.chenwei.c \$0.35. What is the firm's sustainable rate of growth if its return on assets is 14.6% and its return on equity is 18.2%?
- 3. (4 points) What are the limitations when using financial ratio analysis?
- 4. (12 points) Measuring corporate performance.

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- (A) (4 points) Last year Vaughn Corp. had sales of \$315,000 and a net income of w.chenwei.co
 - \$17,832, and its year-end assets were \$210,000. The firm's total-debt-to-
 - total-assets ratio was 42.5%. What was Vaughn's ROE?
- (B) (4 points) Stewart Inc.'s latest EPS was \$3.50, its book value per share was \$22.75, it had 215,000 shares outstanding, and its debt ratio was 46%. How much debt was outstanding?
- NWW.chenwei.co (C) (4 points) What is the current yield of a bond with a 6% coupon, 4 years until maturity, and a price quote of 84?
- (4 points) Rosita purchased a bond for \$989 that had a 7% coupon and 5. semiannual interest payments. She sold the bond after 6 months and earned a total return of 4.8% on this investment. At what price, did she sell the bond?
 - (4 points) What is the amount of the annual coupon payment for a bond with par of \$1,000 that has 6 years until maturity, sells for \$1,050, and has a yield to maturity of 9.37%? (without calculator, please write out the computation in detail to obtain the payment without actually produce the figure)

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7. (4 points) What is the main use of yield curve? What do we learn from an inverted yield curve?

106-4

8. (6 points) O'Brien Ltd.'s outstanding bonds have a \$1,000 par value, and they mature in 25 years. Their nominal yield to maturity is 9.25%, they pay interest semiannually, and they sell at a price of \$850. What is the bond's nominal annual coupon interest rate? (without calculator, please write out the computation in Http://www.chenwei.com detail to obtain the coupon rate without actually produce the figure) Http://www.chenv chenw

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(6 points) DEF common stock is expected to have extraordinary growth of 15% per year for 3 years, at which time the growth rate will settle into a constant 8%. If the discount rate is 10% and the most recent dividend was \$3.00, what should be the approximate current share price?



10. (4 points) Comment with reasons whether the following statement is true, false, or uncertain: In a capital budgeting analysis where part of the funds used to finance the project would be raised as debt, failure to include interest expense as a cost when determining the project's cash flows will lead to an upward bias in



the NPV.





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