

大同大學 九十二 學年度研究所碩士班入學考試試題

考試科目：會計學

所別：事業經營研究所

全1頁

註：本次考試 不可以參考自己的書籍及筆記； 不可以使用字典； 可以使用計算器。

1. Based upon Du Pont equation, a financial analyst found that some firm's Return on Assets was 9.6%, Return on Sales 6%, and Equity Multiplier 1.48, for fiscal year 2002 or at end of that year.

Required:

Find

- (1) Total Assets Turnover for 2002;
- (2) Return on Equity for 2002; and
- (3) Debt Ratio at end of 2002.

(18%)

2. Let

P_a : Actual unit price or unit cost

P_s : Standard (or budgeted) unit price or unit cost

Q_a : Actual production volume or sales volume or activity level in terms of some base, such as direct labor hours or machine hours

Q_s : Standard (or budgeted) production volume or sales volume or activity level in terms of some base, such as direct labor hours or machine hours

TV: Total variance, such as revenue variance, materials variance, and overhead variance.

Required:

(18%)

- (1) Formulate a generalized model to show the two basic parts of a total variance, i.e., price variance and quantity (or volume) variance; and
- (2) When the analytical results show some favorable and unfavorable variances, what factors should you put into consideration before you conclude that people who created favorable variances must be rewarded and those who created unfavorable ones be penalized?

3. Some firm acquired a machinery equipment at beginning of 2003 that cost \$8,100,000, with salvage value \$100,000 at end of its 4-year economic life.

Required:

(18%)

For financial accounting purposes,

- (1) Use straight-line method to calculate its annual depreciation expense;
- (2) Use fixed-rate-declining-balance method to calculate its annual depreciation expense; and
- (3) Use sum-of-years' digits method to calculate its annual depreciation expense.

4. To welcome the era of present-value valuation, what factors should be considered by us before it could be put into practice?

(18%)

[Hint: The American FASB has issued its *Statement of Financial Accounting Concepts No. 7* to address this topic.]

5. Related to capital budgeting,

- (1) How do you estimate periodic cash flows of a project?
- (2) What are the benefits and drawbacks of the payback method?
- (3) How do you decide a proper discount rate to find the NPV?

(18%)

6. In financial accounting, what do the principles of *conservatism* and *materiality* mean? Illustrate.

(10%)