

國立中正大學 109 學年度碩士班招生考試試題

科目名稱：成本及管理會計學

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系所組別：會計與資訊科技學系-甲組

I. Multiple Choice. Please choose one of the following. 40%

1. Which of the following differentiates job costing from process costing?

- A) Job costing is used when each unit of output is identical and not produced in batches, and process costing deals with unique products produced on large scale.
- B) Job costing is used by manufacturing industries, and process costing is used by service industries.
- C) Job costing is used when each unit of output is identical, and process costing deals with unique products.
- D) Process costing is used when each unit of output is identical, and job costing deals with unique products not produced in batches.

2. Which of the following is referred to as the bottom-up aspect of the budgeting process?

- A) lower-level managers setting their individual targets that aggregate to be the company-wide target
- B) lower-level managers providing inputs to the budgeting process based on their specialized knowledge and familiarity of the operation
- C) lower-level managers implementing the budgets with senior managers monitoring progress and investigating deviations
- D) senior managers consulting middle- and lower-level managers to investigate any deviations from the budget

3. Effective planning of variable overhead costs includes _____.

- A) redesigning products or processes to use fewer resources
- B) eliminating value-added costs
- C) choosing the appropriate level of investment
- D) reorganizing management structure

4. At the Savanna Group Company, the cost of the daycare center has always been charged to the various departments based upon number of employees. Recently, opinions gathered from the department managers indicate that the number of engineers within a department might be a better predictor of daycare center costs.

Total daycare costs are \$250,000.

<u>Department</u>	<u>A</u>	<u>B</u>	<u>C</u>
Number of employees	180	550	130
Number of engineers	10	90	45

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Which cost estimation method is being used by Savanna Group Company?

- A) the regression analysis method
- B) the operating costing method
- C) the marginal costing method
- D) the conference method

5. Which of the following is not correct about the balanced scorecard?

- A) the balance scorecard increases managements emphasis on short-term results
- B) profits and value created for shareholders are perspectives revealed on a balance scorecard
- C) nonfinancial and operational indicators are reported on a balance scorecard
- D) the balanced scorecard reveals information about the success of the company in its target market

6. The Gretta Manufacturing Corporation manufactures two air conditioners, the Standard and the Super. The following information was gathered about the two products:

	<u>Standard</u>	<u>Super</u>
Budgeted sales in units	2500	700
Budgeted selling price	\$600	\$1,700
Budgeted contribution margin per unit	\$450	\$1000
Actual sales in units	4000	1500
Actual selling price	\$650	\$1,680

What is the total sales-volume variance in terms of the contribution margin?

- A) \$1,475,000 unfavorable
- B) \$1,475,000 favorable
- C) \$502,000 favorable
- D) \$588,000 unfavorable

7. Which of the following statements best define split off point in joint costing?

- A) It is the juncture at which decisions determining joint costs of various products to be produced are taken.
- B) It is the point at which managers decide to discontinue one or more of the products.
- C) It is the juncture in a joint production process when two or more products become separately identifiable.
- D) It is the point at which the managers decide to outsource some of its production processes.

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8. Which of the following statements is true of normal spoilage and abnormal spoilage?
- A) The costs of normal spoilage are recorded as a loss as a separate line item in an income statement, whereas costs of abnormal spoilage are included as a component of the costs of good units manufactured.
- B) Normal spoilage is inherent in a particular production process, whereas abnormal spoilage is not inherent in a particular production process.
- C) Abnormal spoilage arises even when the process is carried out in an efficient manner, whereas normal spoilage does not arise when the process is carried out in an efficient manner.
- D) Normal spoilage is usually regarded as avoidable and controllable, whereas abnormal spoilage is unavoidable and uncontrollable.

9. The payback method of capital budgeting approach to an investment decision _____.

- A) ignores the initial investment
- B) considers cash flows over the life of the investment
- C) assumes that cash flows occur uniformly throughout the year
- D) considers time value of money

10. The top management at Amore Corp, a manufacturer of computer games, is attempting to recover from a flood that destroyed some of their accounting records. The main computer system was also severely damaged. The following information was salvaged:

	<u>Alpha Division</u>	<u>Beta Division</u>	<u>Gamma Division</u>
Sales	\$7,000,000	(a)	\$2,500,000
Net operating income	\$6,000,000	\$1,100,000	\$ 1,200,000
Operating assets	(b)	(c)	\$1,600,000
Return on investment	0.25	.15	(d)
Return on sales	(e)	.1	0.5
Investment turnover	(f)	(g)	1.5

What is the value of the operating assets belonging to the Alpha Division (b)?

- A) \$26,923,077
- B) \$24,000,000
- C) \$21,153,846
- D) \$12,500,000

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II. Problems 60%

1. Bungalow Corporation incurred fixed manufacturing costs of \$25,000 during 2019. Other information for 2019 includes:

The budgeted denominator level is 2,500 units.

Units produced total 2,700 units.

Units sold total 2,000 units.

Variable cost per unit is \$5

Beginning inventory is zero.

The fixed manufacturing cost rate is based on the budgeted denominator level.

Under absorption costing, the production-volume variance is _____. (Round any intermediary calculations to the nearest cent and your final answer to the nearest dollar.) 10%

2. The Muscles Corporation manufactures two types of treadmills, the Ultimate for commercial use and the Relax for residences. Budgeted and actual operating data for the year 2019 were as follows:

<u>Static Budget</u>	<u>Ultimate</u>	<u>Relax</u>	<u>Total</u>
Number sold	7,000	30,000	37,000
Contribution margin	\$1,600,000	\$4,000,000	\$5,600,000

<u>Actual Results</u>	<u>Ultimate</u>	<u>Relax</u>	<u>Total</u>
Number sold	5,500	35,000	40,500
Contribution margin	\$1,500,000	\$4,500,000	\$6,000,000

What is the total flexible-budget variance in terms of the contribution margin? (Round intermediary calculations to the nearest dollar.) 10%

3. An inventory item of Evalon Corp. has an average daily demand of 30 units with a maximum daily demand of 40 units. The economic order quantity is 600 units. Without safety stocks, the reorder point is 150 units. Safety stocks are set at 250 units.

Required:

- Determine the reorder point with safety stocks. 10%
- Determine the maximum inventory level. 10%
- Determine the average lead time. 10%

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4. Sword Corp, whose tax rate is 30%, has two sources of funds: long-term debt with a market value of \$5,500,000 and an interest rate of 8%, and equity capital with a market value of \$12,000,000 and a cost of equity of 12%. Sword has two operating divisions, the Silver division and the Bronze division, with the following financial measures for the current year:

	Total Assets	Current Liabilities	Operating Income
Silver Division	\$9,500,000	\$2,500,000	\$1,155,000
Bronze Division	\$13,000,000	\$3,000,000	\$1,800,000

Calculate EVA for the Bronze Division. (Round intermediary calculations to four decimal places.)
10%

