銘傳大學
109學年度碩士班試題

成本與管理會計學

—考生注意事項—

- 考試開始鈴響前，不得翻閱試題本，也不得書寫、畫記、作答。
- 考生入座後，務請檢查答案本、座位標示單與准考證之號碼是否相同。

銘傳大學 109 學年度研究所碩士班招生考試

會計學系碩士班

第一節

「成本與管理會計學 （選考）」試題

（第 1 頁共 7 頁）（限用答案本作答） ☑可使用計算機 ☐不可使用計算機

一、單選題：(45%)

1. Which of the following differentiates cost accounting and financial accounting?

(A) The primary users of cost accounting are the investors, whereas the primary users of financial accounting are the managers.

(B) Cost accounting deals with product design, production, and marketing strategies, whereas financial accounting deals mainly with pricing of the products.

(C) Cost accounting measures only the financial information related to the costs of acquiring fixed assets in an organization, whereas financial accounting measures financial and nonfinancial information of a company's business transactions.

(D) Cost accounting measures information related to the costs of acquiring or using resources in an organization, whereas financial accounting measures a financial position of a company to investors, banks, and external parties.

2. The employee turnover rates is an example of the _____ measure of a balanced-scorecard.

(A) internal business process perspective

(B) customer perspective

(C) learning and growth perspective

(D) financial perspective

3. Costs of abnormal spoilage are usually accounted for as _____.

(A) a deduction from the cost of goods sold

(B) a component of the costs of good units manufactured

(C) a separate line item in an income statement

(D) an asset on a balance sheet

4. Under economic-order-quantity decision model, which of the following is an assumption? assumed that _____.

(A) the quantity ordered can vary at each reorder point

(B) demand, ordering costs, and carrying costs are uncertain

(C) the purchasing cost per unit is affected by the order quantity

(D) the same quantity is ordered at each reorder point

5. The minimum transfer price equals _____.

(A) opportunity costs less the additional outlay costs

(B) opportunity costs times 125% plus the additional outlay costs

(C) opportunity costs divided by the additional outlay costs

(D) incremental costs plus opportunity costs

6. Which of the following is the costing system used for mass produced like or similar units of products?

(A) process-costing systems

(B) job-costing systems

(C) weighted-average costing systems

(D) inventory-costing systems

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7. Sparkle Jewelry sells 800 units resulting in $85,000 of sales revenue, $32,000 of variable costs, and $26,000 of fixed costs. The number of units that must be sold to achieve $41,000 of operating income is _____.

(A) 909 units
(B) 393 units
(C) 1,012 units
(D) 619 units

8. The flexible-budget variance for materials is $2,000 (U). The sales-volume variance is $18,000 (U). The price variance for material is $38,000 (F). The efficiency variance for direct manufacturing labor is $12,000 (F). Calculate the efficiency variance for materials.

(A) $40,000 favorable
(B) $18,000 unfavorable
(C) $6,000 favorable
(D) $40,000 unfavorable

9. McMurphy Corporation produces a part that is used in the manufacture of one of its products. The costs associated with the production of 12,000 units of this part are as follows:

Direct materials	$ 86,000
Direct labor	126,000
Variable factory overhead	58,000
Fixed factory overhead	138,000
Total costs	$408,000

Of the fixed factory overhead costs, $55,000 is avoidable. Conners Company has offered to sell 12,000 units of the same part to McMurphy Corporation for $41 per unit. Assuming there is no other use for the facilities, Schmidt should _____.

(A) buy the part, as this would save the company $192,000
(B) make the part, as this would save $14 per unit
(C) make the part, as this would save $16 per unit
(D) buy the part, as this would save $16 per unit

10. Excellent Manufacturers Inc. has a current production level of 20,000 units per month. Unit costs at this level are:

Direct materials	$0.26
Direct labor	0.40
Variable overhead	0.16
Fixed overhead	0.21
Marketing – fixed	0.25
Marketing/distribution - variable	0.42

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Current monthly sales are 18,000 units. Jax Company has contacted Excellent about purchasing 1,550 units at $2.00 each. Current sales would NOT be affected by the one-time-only special order, and variable marketing/distribution costs would NOT be incurred on the special order. What is Ratzlaff Company's change in operating profits if the special order is accepted?

(A) $1,829 decrease in operating profits
(B) $1,829 increase in operating profits
(C) $4,929 increase in operating profits
(D) $4,929 decrease in operating profits

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11. To complete the first setup on a new machine took an employee 320 minutes. Using an 70% cumulative average-time learning curve indicates that the second setup on the new machine is expected to take _____.

(A) 112 minutes
(B) 128 minutes
(C) 224 minutes
(D) 272 minutes

12. Crimpson Company has invested $2,200,000 in a plant to make commercial juicer machines. The target operating income desired from the plant is $303,000 annually. The company plans annual sales of 7000 juicer machines at a selling price of $500 each. What is the markup percentage as a percentage of cost for Crimpson Company?

(A) 0.9%
(B) 8.7%
(C) 9.5%
(D) 13.8%

13. Alfred, owner of Hi-Tech Fiberglass Fabricators, Inc., is interested in using the reciprocal allocation method. The following data from operations were collected for analysis:

Budgeted manufacturing overhead costs:

Plant Maintenance	PM (Support Dept)	$370,000
Data Processing	DP (Support Dept)	$70,000
Machining	M (Operating Dept)	$235,000
Capping	C (Operating Dept)	$110,000

Services furnished:

By Plant Maintenance (budgeted labor-hours):

to Data Processing	3900
to Machining	5100
to Capping	8100

By Data Processing (budgeted computer time):

to Plant Maintenance	700
to Machining	3500
to Capping	650

Which of the following linear equations represents the complete reciprocated cost of the Data Processing Department?

(A) DP= $70,000 + (3900 / 17,100) PM
(B) DP= $70,000 + (700 / 4850) PM
(C) DP= $70,000 × (700 / 4850) + $370,000 × (3900 / 17,100)
(D) DP= $370,000 + (700 / 17,100) DP

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14. Torid Company processes 18,700 gallons of direct materials to produce two products, Product X and Product Y. Product X sells for $10 per gallon and Product Y, the main product, sells for $150 per gallon. The following information is for December:

	Production	Sales	Beginning Inventory	Ending Inventory
Product X:	5975	5800	0	175
Product Y:	10,575	10,655	100	20

The manufacturing costs totalled $30,000. How much is the ending inventory for the byproduct(Product X) if byproducts are recognized in the general ledger at the point of sale?
(A) $0
(B) $1,750
(C) $3,000
(D) $26,250

15. Axelia Corporation has two divisions, Refining and Extraction. The company's primary product is Luboil Oil. Each division's costs are provided below:

Extraction:	Variable costs per barrel of oil	$ 7
	Fixed costs per barrel of oil	$ 5
Refining:	Variable costs per barrel of oil	$28
	Fixed costs per barrel of oil	$32

The Refining Division has been operating at a capacity of 40,000 barrels a day and usually purchases 25,000 barrels of oil from the Extraction Division and 15,000 barrels from other suppliers at $60 per barrel. What is the transfer price per barrel from the Extraction Division to the Refining Division, assuming the method used to place a value on each barrel of oil is 110% of full costs?
(A) $12.00
(B) $13.20
(C) $44.00
(D) $79.00

以下各題均請列出計算過程，否則不予計分

二、計算簡答題 (25%)

甲、Millworks Company manufactured 100,000 units in 2018 and reported the following costs:

Leasing costs-plant	$ 384,000	Work-in-process, 1/1/18	$96,000
Depreciation- plant and equipment	224,000	Work-in-process, 12/31/18	64,000
Miscellaneous plant overhead	32,000	Finished goods, 1/1/18	672,000
Indirect manufacturing labor	275,200	Finished goods, 12/31/18	1,280,000
Repairs and maintenance-plant	16,000	Sales revenue	12,800,000
Direct manufacturing labor	2,176,000	Sales salaries	576,000
Direct materials, 1/1/18	348,000	Advertising costs	480,000
Direct materials, 12/31/18	280,000	Administration costs	800,000
Direct material purchases	3,140,000	Sales commissions	640,000

Required
What is cost of goods manufactured for 2018?

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乙、The following information was gathered for Longview Company for the year ended December 31, 2018:

	Budgeted	Actual
Direct labor-hours	75,000 dlh	80,000 dlh
Factory overhead	$600,000	$625,000

Assume that direct labor-hours are the cost-allocation base.

Required:

Compute the amount of under- or overallocated maufacturing overhead.

丙、Nile Corp. has identified three cost pools to allocate overhead costs. The following estimates are provided for the coming year:

Cost Pool	Overhead Costs	Cost driver	Activity level
Supervision of direct labor	$304,000	Direct labor-hours	760,000
Machine maintenance	$153,600	Machine-hours	960,000
Facility rent	$165,000	Square feet of area	110,000
Total overhead costs	$622,600		

The accounting records show the Mossman Job consumed the following resources:

Cost driver	Actual level
Direct labor-hours	260
Machine-hours	1,500
Square feet of area	70

Using the three cost pools to allocate overhead costs, what is the total amount of overhead costs to be allocated to the Mossman Job?

丁、The following information pertains to Monroe Company:

Month	Sales	Purchases
January	$68,000	$35,000
February	$87,000	$46,000
March	$106,000	$58,000

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Cash is collected from customers in the following manner:

Month of sale	30%
Month following the sale	70%

45% of purchases are paid for in cash in the month of purchase, and the balance is paid the following month. Labor costs are 20% of sales. Other operating costs are $32,000 per month (including $8,000 of depreciation). Both of these are paid in the month incurred.

The cash balance on March 1 is $8,900. A minimum cash balance of $6,000 is required at the end of the month. Money can be borrowed in multiples of $1,000. What is the ending cash balance for March?

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戊、The Brital Company processes unprocessed milk to produce two products, Butter Cream and Condensed Milk. The following information was collected for the month of June:

Production:	Butter Cream	13,500	gallons
	Condensed Milk	19,500	gallons
Sales:	Butter Cream	13,000	gallons
	Condensed Milk	19,000	gallons
Sales:	Butter Cream	$3.50	per gallon
	Condensed Milk	$5.50	per gallon
Separable costs in total:	Butter Cream	$15,000	
	Condensed Milk	$34,600	

The costs of purchasing the of unprocessed milk and processing it up to the split-off point to yield a total of 33,000 gallons of saleable product was $89,450. The company uses constant gross-margin percentage NRV method to allocate the joint costs of production. What is the allocated joint costs of Butter Cream?

三、Whistler, Inc., manufactures a specialized snowboard made for the advanced snowboarder. Whistler began 2014 with an inventory of 240 snowboards. During the year, it produced 900 boards and sold 995 for $750 each. Fixed production costs were $280,000, and variable production costs were $325 per unit. Fixed advertising, marketing, and other general and administrative expenses were $112,000, and variable shipping costs were $15 per board. Assume that the cost of each unit in beginning inventory is equal to 2014 inventory cost. Whistler uses a denominator level of 1,000 units. Production-volume variances are written off to cost of goods sold.

Required (10%)

Compute the operating income assuming Whistler uses the following:

1. Variable costing

2. Absorption costing (Production = 900 boards)

四、Timely Products Company makes watches. Timely Products Company uses standard costing. The budgeted fixed overhead costs for 2017 total $648,000. The company uses direct labor-hours for fixed overhead allocation and anticipates 21,600 hours during the year for 540,000 units. An equal number of units are budgeted for each month. During October, 48,000 watches were produced and $52,000 was spent on fixed overhead.

Required (10%)

1. Determine the fixed overhead spending variance for October.

2. Determine the production-volume overhead variance for October.

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五、 Lexington Company produces baseball bats and cricket paddles. It has two departments that process all products. During July, the beginning work in process in the cutting department was half completed as to conversion, and complete as to direct materials. The beginning inventory included $31,200 for materials and $40,000 for conversion costs. Ending work-in-process inventory in the cutting department was 40% complete. Direct materials are added at the beginning of the process.

Beginning work in process in the finishing department was 80% complete as to conversion. Direct materials for finishing the units are added near the end of the process. Beginning inventories included $24,000 for transferred-in costs and $28,000 for conversion costs. Ending inventory was 30% complete. Additional information about the two departments follows:

	Cutting Department	Finishing Department
Beginning work-in-process units	20,000	24,000
Units started this period	60,000	
Units transferred this period	64,000	68,000
Ending work-in-process units		20,000
Material costs added	$48,000	$34,000
Conversion costs	24,160	68,500
Transferred-out cost	128,000	

Required: (10%)

Using the FIFO method, summarize the total **finishing department** costs for July, and assign costs to units completed (and transferred out) and to units in ending work in process.

試題完 End of exam