

系所組別： 會計學系甲組

考試科目： 成本與管理會計學

考試日期：0225，節次：3

※ 考生請注意：本試題可使用計算機，並限「考選部核定之國家考試電子計算器」機型

1. Multiple choice questions (60%, 3% each):

Instructions: Select the best answer for each of the following questions.

1) Responsibilities of a CFO include all of the following EXCEPT:

- A) providing financial reports to shareholders
- B) managing short-term and long-term financing
- C) investing in new equipment
- D) preparing federal, state, and international tax returns

2) Answer the following questions using the information below:

Beginning finished goods, 1/1/20X3	\$ 80,000
Ending finished goods, 12/31/20X3	67,000
Cost of goods sold	270,000
Sales revenue	500,000
Operating expenses	145,000

What is cost of goods manufactured for 20X3?

- A) \$230,000 B) \$257,000 C) \$283,000 D) \$355,000

3) Sales total \$200,000 when variable costs total \$150,000 and fixed costs total \$30,000. The breakeven point in sales dollars is:

- A) \$120,000 B) \$200,000 C) \$ 40,000 D) \$ 30,000

4) Copley Enterprises manufactures digital video equipment. For each unit \$1,475 of direct material is used and there is \$1,500 of direct manufacturing labor at \$30 per hour. Manufacturing overhead is applied at \$35 per direct manufacturing labor hour. Calculate the cost of each unit.

- A) \$2,975 B) \$4,025 C) \$4,725 D) \$3,150

5) Activity-based costing systems provide better product costs when they:

- A) employ more activity-cost drivers
- B) employ fewer activity-cost drivers
- C) always yield more accurate product costs than traditional systems
- D) identify and cost more indirect cost differences among products

6) St. Claire Manufacturing expects to produce and sell 6,000 units of Big, its only product, for \$20 each. Direct material cost is \$2 per unit, direct labor cost is \$8 per unit, and variable manufacturing overhead is \$3 per unit. Fixed manufacturing overhead is \$24,000 in total. Variable selling and administrative expenses are \$1 per

(背面仍有題目,請繼續作答)

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unit, and fixed selling and administrative costs are \$3,000 in total. According to generally accepted accounting principles, inventoriable cost per unit of Big would be:

A) \$13.00 per unit B) \$14.00 per unit C) \$17.00 per unit D) \$18.50 per unit

7) Aebi Corporation currently produces cardboard boxes in an automated process. Expected production per month is 20,000 units, direct-material costs are \$0.60 per unit, and manufacturing overhead costs are \$9,000 per month. Manufacturing overhead is allocated based on units of production. What is the flexible budget for 10,000 and 20,000 units, respectively?

A) \$10,500; \$16,500

B) \$10,500; \$21,000

C) \$15,000; \$21,000

D) None of these answers are correct.

8) Alvarado Company made the following journal entry:

Variable Manufacturing Overhead Allocated	100,000	
Variable Manufacturing Overhead Efficiency Variance	30,000	
Variable Manufacturing Overhead Control		125,000
Variable Manufacturing Overhead Spending Variance		5,000

A) A \$5,000 favorable spending variance was recorded.

B) Alvarado overallocated variable manufacturing overhead.

C) Work-in-Process is currently overstated.

D) This entry may be recorded yearly to provide timely feedback to managers.

9) Marie's Decorating produces and sells a mantel clock for \$100 per unit. In 20X5, 100,000 clocks were produced and 80,000 were sold. Other information for the year includes:

Direct materials	\$30.00 per unit
Direct manufacturing labor	\$ 2.00 per unit
Variable manufacturing costs	\$ 3.00 per unit
Sales commissions	\$ 5.00 per part
Fixed manufacturing costs	\$25.00 per unit
Administrative expenses, all fixed	\$15.00 per unit

What is the inventoriable cost per unit using variable costing?

A) \$32 B) \$35 C) \$40 D) \$60

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10) The Hunter Company uses the high-low method to estimate the cost function.

The information for 20X5 is provided below:

	Machine-hours	Labor Costs
Highest observation of cost driver	400	\$10,000
Lowest observation of cost driver	240	\$ 6,800

What is the estimate of the total cost when 300 machine-hours are used?

A) \$2,000 B) \$4,000 C) \$6,000 D) \$8,000

11) Place the following steps from the five-step decision process in order:

- A = Make predictions about future costs
- B = Evaluate performance to provide feedback
- C = Implement the decision
- D = Choose an alternative

A) D C A B B) C D A B C) A D C B D) D C B A

12) Action Toys has a new video game cassette for the upcoming holiday season. It is trying to determine the target cost for the game if the selling price per unit will be set at \$60, the going price for video games, and the firm wants to earn a target operating income of 12% of sales. What will be the target cost per unit for the new game?

A) \$48.00 B) \$52.80 C) \$53.57 D) \$67.20

13) Measures of the balanced scorecard's learning-and-growth perspective include:

- A) employee satisfaction ratings
- B) economic value added
- C) time taken to deliver product to customers
- D) customer-retention percentage

14) Zorro Company manufactures remote control devices for garage doors. The following information was collected during June:

Actual market size (units)	10,000
Actual market share	32%
Actual average selling price	\$10.00
Budgeted market size (units)	11,000
Budgeted market share	30%
Budgeted average selling price	\$11.00
Budgeted contribution margin per composite unit for budgeted mix	\$ 5.00

What is the market-size variance?

A) \$500 U B) \$1,000 F C) \$1,600 F D) \$1,500 U (背面仍有題目,請繼續作答)

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15) The step-down allocation method:

- A) typically begins with the support department that provides the highest percentage of its total services to other support departments
- B) recognizes the total amount of services that support departments provide to each other
- C) allocates complete reciprocated costs
- D) offers key input for outsourcing decisions

16) The Arvid Corporation manufactures widgets, gizmos, and turnbols from a joint process. May production is 4,000 widgets; 7,000 gizmos; and 8,000 turnbols. Respective per unit selling prices at splitoff are \$15, \$10, and \$5. Joint costs up to the splitoff point are \$75,000. If joint costs are allocated based upon the sales value at splitoff, what amount of joint costs will be allocated to the widgets?

- A) \$30,882 B) \$26,471 C) \$17,647 D) \$28,125

17) Process costing should be used to assign costs to products when the:

- A) units produced are similar
- B) units produced are dissimilar
- C) calculation of unit costs requires the averaging of unit costs over all units produced
- D) Either A or C are correct.

18) Costs of normal spoilage are usually accounted for as:

- A) part of the cost of goods sold
- B) part of the cost of goods manufactured
- C) a separate line item in the income statement
- D) an asset in the balance sheet

19) Ballard's Glass Company has a variable demand. Historically, its demand has ranged from 10 to 20 windows per day with an average of 15. John Ballard works eight hours a day, five days a week. Each order is one window and each window takes 26 minutes. What is the average waiting time, in minutes?

- A) 1.6 B) 4.4 C) 28.2 D) 56.3

20) Diskette Company sells 200 discs per week. Purchase-order lead time is 1-1/2 weeks and the economic-order quantity is 450 units. What is the reorder point?

- A) 200 units B) 300 units C) 750 units D) 1,125 units

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II. Problem Analysis (40%, 20% each):

1. (20%) Wilson's Winter Woolens manufactures jackets and other wool clothing. A certain designed ski parka requires the following:

Direct materials standard 2 square yards at \$13.50 per yard

Direct manufacturing labor standard 1.5 hours at \$20.00 per hour

During the third quarter, the company made 1,500 parkas and used 3,150 square yards of fabric costing \$39,375. Direct labor totaled 2,100 hours for \$45,150.

Required:

- Compute the direct materials price and efficiency variances for the quarter.
- Compute the direct manufacturing labor price and efficiency variances for the quarter.

2. (20%) Surf Products Company uses an automated process to clean and polish its souvenir items. For March, the company had the following activities:

Beginning work in process inventory	3,000 items, 1/3 complete
Units placed in production	12,000 units
Units completed	9,000 units
Ending work in process inventory	6,000 items, 1/2 complete

Cost of beginning work in process	\$2,500
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Direct material costs, current	\$9,000
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Conversion costs, current	\$7,700
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Direct materials are placed into production at the beginning of the process and conversion costs are incurred evenly throughout the process. **Required:**

Prepare a production cost worksheet using the FIFO method.