逢甲大學106學年度碩士班考試入學試題

| | 五十八十 | 1007 | 丁文"只工班" | 与武八字 | 武政 | |
|--|--|--|--|-----------------------------------|---|-------------------------------|
| | | \ \d | | 編號 | : 002 | 科目代碼:20 |
| 科目 | 成本及管理會計 | 適用系所 | 會計學系 | | 時間 | 90分鐘 |
| æ | ※請 | 務必在智 | 答案卷作答區內作 | 答。 | 共回 | 頁第一頁 |
| $-\cdot M$ | ultiple Choice Question (@4 | 1%, Total | 40%) | | | |
| 01) Hid \$45 A) \$44 B) \$160 C) \$130 D) \$300 | 0,000 0,000 | g in \$100, eve \$150, | 000 of sales revenue | ≥, \$35,000 of v ome, sales mu | variable cost total | osts, and |
| 02) The | e following information perta | ains to the | e January onerating l | hudget for Een | a Chia C | omoonotion - |
| Col Cos Me Ma Dis Adr | 000 3,000 | the month of sales of,000 in month ch month of each mo | h of sale and 50% th s January onth | | | : |
| mate A) \$165 B) \$135 C) \$161 | ,000 ,700 | 150 of mass but actua | aterial per unit but a ally made 900 units. | ctually used \$ The flexible-b | 147 of ma oudget am | nterial per unit nount for |
| D) \$132 | 2,300 | | | | | |
| 04) Feng | g Chia Corporation manufac relates to June: | tured 3,0 | 00 chairs during Jun | e. The followi | ng variab | le overhead |
| Bud Actu Flex Vari Wha A) \$1,38 B) \$2,82 | geted variable overhead cost all variable manufacturing of ible-budget amount for variable manufacturing overhead able manufacturing overhead is the variable overhead sports favorable for the property of the control of the control of the control overhead sports favorable and the control overhead cost and the control overhead cost and the control overhead sports favorable and the control overhead sports fa | verhead o able manu d efficien | ufacturing overhead | \$720 | \$ 12. \$49,9 \$47,8 unfavorab | 00 |
| | 30 unfavorable Chia Company has the falle | ···im a: ! C | | | | |
| 2) Leng | Chia Company has the follo | wing into | rmation for the curr | ent year: | | |

\$190,000

750,000

50,000

Beginning fixed manufacturing overhead in inventory

Ending fixed manufacturing overhead in inventory

Fixed manufacturing overhead in production

| Beginning variable manufacturing Variable manufacturing overheat Ending variable manufacturing what is the difference between open | nd in production overhead in inventory | \$20,000 100,000 30,000 rption costing and variable costing? |
|--|---|---|
| A) \$10,000 | | |
| B) \$100,000 | | |
| C) \$80,000 | | |
| D) \$140,000 | | |
| 06) A liability claim is an example of | of | |
| A) prevention costs | | |
| B) appraisal costs | | |
| C) internal failure costs | | |
| D) external failure costs | | |
| | | |
| 07) Relevant total costs in the econd | omic order quantity decision | on model equal relevant ordering costs |
| plus relevant | | - |
| A) carrying costs | | |
| B) stockout costs | | |
| C) quality costs | | |
| D) purchasing costs | | |
| 08) Net present value is calculated a A) internal rate of return | using the | |
| B) discount rate | | |
| C) risk-free rate | | |
| D) predetermined overhead cost rate | e | |
| | | |
| 09) The range over which two divis A) between the supplying division's B) between the supplying division's C) it could be anywhere above the s D) between the supplying division's | variable cost and the mark variable cost and its full cosupplying division's full co | ket price of the product oost of the product st of the product |
| b) between the supprying division s | 1 tull 605t and 10070 a0070 | its full cost |
| 10) A company which favors the real A) concentrate on maximizing an all | osolute amount of dollars | ants managers to |
| B) concentrate on maximizing a per | | |
| C) maximize the investment turnov | er ratio | |
| D) maximize return on sales | *1 | |
| | | |
| | | |
| Feng Chia Corporation applies | overhead based upon mac | chine-hours. Budgeted factory overhead |
| was \$266,400 and budgeted machin | ie-hours were 18,500. Actu | nal factory overhead was \$287,920 and |
| actual machine-hours were 19,050. | Before disposition of unde | er/overapplied overhead, the cost of |
| goods sold was \$560,000 and endin | g inventories were as follo | WS: |
| Direct materials | \$ 60,000 | |
| Work in process | 190,000 | |
| Finished goods | 250,000 | |
| | \$500,000 | |

Required: (12%)

- 1. Determine the budgeted factory overhead rate per machine-hour.
- 2. Compute the over/underapplied overhead.
- 3. Prepare the journal entry to dispose of the variance using the write-off to cost of goods sold approach.
- 4. Prepare the journal entry to dispose of the variance using the proration approach.

 \equiv Feng Chia Cookie Company manufactures and sells three flavors of cookies: Macaroon, Sugar, and Buttercream. The batch size for the cookies is limited to 1,000 cookies based on the size of the ovens and cookie molds owned by the company. Based on budgetary projections, the information listed below is available:

| Projected sales in units | <u>Macaroon</u> 500,000 | Sugar 800,000 | Buttercream 600,000 |
|--|-------------------------|------------------|------------------------|
| PER UNIT data: Selling price Direct materials Direct labor | \$0.80 | \$0.75 | \$0.60 |
| | \$0.20 | \$0.15 | \$0.14 |
| | \$0.04 | \$0.02 | \$0.02 |
| Hours per 1000-unit batch: Direct labor hours Oven hours Packaging hours | 2 | 1 | 1 |
| | 1 | 1 | 1 |
| | 0.5 | 0.5 | 0.5 |

Total overhead costs and activity levels for the year are estimated as follows:

| Activity | Overhead costs | Activity levels |
|--------------|----------------|-----------------------|
| Direct labor | | 2,400 hours |
| Oven | \$210,000 | 1,400 oven hours |
| Packaging | \$152,250 | 1,050 packaging hours |
| | \$362,250 | |

Required: (18%)

- 1. Determine the activity-cost-driver rate for packaging costs.
- 2. Using the ABC system, for the sugar cookie:
 - a. compute the estimated overhead costs per thousand cookies.
 - b. compute the estimated operating profit per thousand cookies.

四、Tyglycka sells fabrics to a wide range of industrial and consumer users. One of the products it carries is denim cloth, used in the manufacture of jeans and carrying bags. The supplier for the denim cloth pays all incoming freight. No incoming inspection of the denim is necessary because the supplier has a track record of delivering high-quality merchandise. The purchasing officer of Tyglycka has collected the following information:

| Annual demand for denim cloth | 26,400 yards | | |
|----------------------------------|------------------------|--|--|
| Ordering cost per purchase order | \$165 | | |
| Carrying cost per year | 20% of purchasse costs | | |
| Safety-stock requirements | None | | |
| Cost of denim cloth | \$9 per yard | | |

The purchasing lead time is 2 weeks. Tyglycka is open 250 days a year (50 weeks for 5 days a week). Required: (15%)

- 1. Calculate the EOQ for denim cloth. (5%)
- 2. Calculate the number of orders that will be placed each year. (5%)
- 3. Calculate the reorder point for denim cloth. (5%)

 \pm ` The Telecomps Corporation makes wire harnesses for the aircraft industry only upon receiving firm orders from its customers. Telecomps has recently purchased a new machine to make two types of wire harnesses, one for Boeing airplanes (B7) and the other for Airbus Industries airplanes (A3). The annual capacity of the new machine is 6,000 hours. The following information is available for

next year:

| your. | | 7 | | | | |
|----------|-----------|---------------|---|-----------|----------|--------------------|
| | | | Selling Price per Order If Average Manufacturing Cycle Time per Order Is | | | |
| | Annual | | | 1.00 | | Inventory Carrying |
| | Average | | | | Variable | |
| | Number of | Manufacturing | Less Than | More Than | Cost per | per Order per |
| Customer | Orders | Time Required | 200 Hours | 200 Hours | Order | Hour |
| B7 | 125 | 40 hours | \$15,000 | \$14,400 | \$10,000 | \$0.50 |
| A3 | 10 | 50 hours | 13,500 | 12,960 | 9,000 | 0.45 |

Required: (15%)

- 1. Calculate the average manufacturing cycle times per order (a) if Telecomps manufactures only B7 and (b) if Telecomps manufactures both B7 and A3. (10%)
- 2. Even though A3 has a positive contribution margin, Telecomps's managers are evaluating whether Telecomps should (a) make and sell only B7 or (b) make and sell both B7 and A3. Which alternative will maximize Telecomps's operating income? Show your calculations. (5%)