## **FANLING LUTHERAN SECONDARY SCHOOL**

## 2021–2022 S6 Mock Examination

# **BUSINESS, ACCOUNTING AND FINANCIAL STUDIES** PAPER 2

# **Marking Scheme**

## SECTION A (24 marks)

#### 1. (a)

	\$	\$
Selling price		50
Direct material (\$4 + \$7 + \$3.5 + \$3 + \$4.5)	22	
Direct labour ( $$60 \times 5/60$ )	5	
Variable manufacturing overheads	1	
Variable selling and distribution expenses	2	30
Contribution margin per box		20

	\$	\$
售價		50
直接原料 (\$4 + \$7 + \$3.5 + \$3 + \$4.5)	22	
直接人工 (\$60×5/60)	5	
變動製造間接成本	1	
變動銷售及分銷費用	2	30
每盒邊際貢獻		20

## (b) Break-even sales in boxes

- = Fixed cost/Unit contribution margin
- = \$2,200,000/\$20
- = 110,000 boxes

## (b) 損益兩平銷售數量

- = 固定成本/單位邊際貢獻
- = \$2,200,000/\$20
- = 110,000 盒

(c)

Special order accepted	\$	\$
Selling price		130.00
Direct material [(\$4 + \$7 + \$3.5) x 2 + (\$3 + \$4.5) x 1.1]	37.25	
Direct labour	5.00	
Variable manufacturing overheads	1.00	
Variable selling and distribution expenses (\$2 x 25%)	0.50	43.75
Contribution margin per box		86.25

接受特價訂單	\$	\$
售價		130.00
直接原料[(\$4 + \$7 + \$3.5) x 2 + (\$3 + \$4.5) x 1.1]	37.25	
直接人工	5.00	
變動製造間接成本	1.00	
變動銷售及分銷費用(\$2 x 25%)	0.50	43.75
每盒邊際貢獻		86.25

- (c) Net Profit from Special Order
  - = Total Contribution Margin Purchase cost of the specialized machine
  - $= 90,000 \times \$86.25 \$3,750,000$
  - = \$4,012,500

As the company will not reach full production capacity even if the factory accepts the special order. It should therefore accept the special order as this will increase the net profit by \$4,012,500.

- (b) 特價訂單的淨利
  - = 總邊際貢獻 專用機器的購買成本
  - $= 90,000 \times $86.25 $3,750,000$
  - = \$4,012,500

即使接受特價訂單,企業的生產仍未到達其最高產量。企業應該接受該特價訂單,因為工廠的淨利將會因此而增加\$4,012,500。

- 2 (a) (i) Average trade receivable collection period (in day) in 2018
  - =  $($900,000 + $629,500) \div 2/($48,343,125 \times 80\%) \times 365 \text{ days} = 7.22 \text{ days}$

Average trade receivable collection period (in day) in 2019

- =  $($629,500 + $486,000) \div 2/($44,555,000 \times 80\%) \times 365 \text{ days} = 5.71 \text{ days}$
- (ii) Acid test ratio in 2018
  - = [(\$22,162,000 \$14,825,000) \$5,865,500] / \$635,300 : 1 = 2.32 : 1

Acid test ratio in 2019

- = [(\$20,582,000 \$13,901,000) \$5,932,500] / \$557,650 : 1 = 1.34 : 1
- (b) The average trade receivable collection period of IDEA is the same as that of Price Correct.

The acid test ratio of IDEA is higher than that of Price Correct.

IDEA's liquidity performance is better than Price Correct in 2019.

(c) Earnings per share = (\$1,795,000 - \$639,000 - \$26,000)/841,000 = \$1.34

Price-earnings ratio = \$26 / \$1.34 = 19.35 times

- 2 (a) (i) 2018 年平均賒銷期限(日)
  - =  $(\$900,000 + \$629,500) \div 2/(\$48,343,125 \times 80\%) \times 365 \quad \exists = 7.22 \quad \exists$

2019 年平均賒銷期限(日)

=  $($629,500 + $486,000) \div 2/($44,555,000 \times 80\%) \times 365 = 5.71 = 5.71$ 

- (ii) 2018 年酸性測驗比率
  - = [(\$22,162,000 \$14,825,000) \$5,865,500] / \$635,300 : 1 = 2.32 : 1

2019年酸性測驗比率

= [(\$20,582,000 - \$13,901,000) - \$5,932,500] / \$557,650 : 1 = 1.34 : 1

(b) IDEA 的平均賒銷期限與 Price Correct 相同。

IDEA 的酸性測驗比率高於 Price Correct。

在 2019 年,IDEA 的變現能力較 Price Correct 好。

(c) 每股盈利 = (\$1,795,000 - \$639,000 - \$26,000)/841,000 = \$1.34

市盈率 = \$26 / \$1.34 = 19.35 倍

3 (a) Realisation

The realization concept states that revenue should be recognized in the period when goods are sold or when services are rendered to the customers.

Mary can only recognize \$750,000 as his sales revenue during the year. Any subscriptions received in advance should not be recognized as revenue but be treated as current liability as unearned revenue. No services had been rendered for the remaining 3,500 lessons.

= 1,500 lessons x \$500 = \$750,000

Prudence

Prudence concept requires that accountants should exercise a degree of caution in the adoption of policies and significant estimates such that the assets and income of the entity are not overstated whereas liability and expenses are not understated.

However, unless there was strong and objective evidence of the existence of future benefit, the company should write off the expenditure in the period in which it was incurred based on the prudence concept because of the uncertainties involved like how long the benefits of the campaign will last, the effectiveness of the advertising campaign, the quality of the product, the strength of the competition, etc.

#### **SECTION B** (24 marks)

- 4. (a) (i) Trade receivables = \$190,000 \$17,000 = \$173,000

  Working capital ratio = (\$128,000 + \$364,000 + \$173,000) / (\$90,000 + \$15,000 + \$202,000) : 1 = 2.17 : 1
  - (ii) Cost of goods sold = \$136,500 + \$778,050 \$364,000 = \$550,550inventory turnover = \$550,550 / [(\$136,500 + \$364,000) / 2] = 2.20 times
  - (iii) Credit sales = \$780,000 \$17,000 = \$763,000average trade receivables collection period =  $[(\$110,000 + \$173,000) / 2] / \$763,000 \times 365 \text{ days} = 67.69 \text{ days}$
  - (iv) <u>Credit purchases = \$778,050 x 80% = \$622,440</u> average trade payables repayment period = [(\$58,000 + 202,000) / 2] / \$622,440 x 365 days= 76.23 days
  - (b) (i) gearing ratios of 2016 = \$753,800 / (\$753,800 + \$200,000 + \$42,000) x 100% = 75.70%

    Retained profits of 2017 = \$158,000 \$17,000 = \$141,000

    gearing ratios for 2017 = \$180,000 / (\$180,000 + \$700,000 + \$141,000) x 100% = 17.63%
    - (ii) The solvency has improved in 2017
      - The company issued ordinary share capital during 2017
      - The company repaid a large portion of long term loan during 2017

(Total 12 marks)

## 5. (a) Net book value of Property = \$2,500,000 - \$300,000 = \$2,200,000

Net book value of Equipment = \$1,000,000 - \$150,000 = \$850,000

### (b) (i)

## Revaluation

	\$		\$
Equipment (\$850,000 × 20%)	170,000	Property (\$2,500,000 × 120% – \$2,200,000)	800,000
Allowance for doubtful accounts (W1)	112,000		
Gain on revaluation —			
Capital: Amy	259,000		
Capital: Bobby	259,000		
	800,000		800,000

Allowance for doubtful accounts =  $\$1,480,000 \times 10\% = \$148,000$ 

Increase in bad debts / increase in allowance for doubtful accounts: \$148,000 - \$36,000 = \$112,000

(ii)

**Capital** 

			Cap.	••••			
	Amy	Bobby	Carol		Amy	Bobby	Carol
	\$	\$	\$		\$	\$	\$
Goodwill (W4)	210,000	140,000	70,000	Balances b/d	2,500,000	1,500,000	_
Balances c/d	2,759,000	1,829,000	455,000	Revaluation: gain	259,000	259,000	_
				Goodwill (W4)	210,000	210,000	_
	_		T	Cash at bank	_	_	70,000
	_			Trade payables	_	_	455,000
	2,969,000	1,969,000	525,000		2,969,000	1,969,000	525,000

Goodwill Adjustment					
Partner	Goodwill shared in old ratio	Goodwill shared in new ratio			
Amy	(1/2) \$210,000	(3/6) \$210,000			
Bobby	(1/2) \$210,000	(2/6) \$140,000			
Carol	_	(1/6) \$70,000			

(c)

**Profit and loss appropriation** 

	\$		\$
Interest on capital —		Profit and loss	1,380,150
Current: Amy (\$2,759,000 × 5%)	137,950		
Current: Bobby (\$1,829,000 × 5%)	91,450		
Current: Carol (\$455,000 × 5%)	22,750		
Partner's salary —			
Current: Carol	480,000		
Share of profits —			
Current: Amy	324,000		
Current: Bobby	216,000		
Current: Carol	108,000		
	1,380,150		1,380,150

(Total 12 marks)

- 6 (A) Opportunity cost is the cost which measures the best opportunity that is sacrificed when the choice of one course of action requires that an alternative be forgone. In other words, the opportunity cost of making a decision is the highest-valued alternative forgone.
  - (B) (a) Number of Product X manufactured for the year : 1,500 + 1,300 300 = 2,500 (#
    - (b) Contribution per unit of Product X:

$$= (\$7,500,000 \div 1,500) - (\$1,440,000 + \$760,000 + \$80,000) \div 2,500 - (\$300,000 \div 1,500)$$

- = \$3,888 / unit
- (c) Breakeven sales quantity :  $[(\$1,850,000 + \$100,000) + \$400,000 + \$760,400] \div \$3,888 = 800 \text{ units}$
- (d) The margin of safety by percentage =  $(1,500 800) \div 1,500 \times 100\% = 46.67\%$
- (e) The contribution margin ratio of Product X = \$3,888/\$5,000 = 77.76%The contribution margin ratio of Product  $Y = (\$1,200,000 - \$300,000) \div \$1,200,000 = 75\%$

(d)

	XYZ	OPQ
	\$	\$
Total contribution(W1); (W2)	6,998,400	6,750,000
Less Fixed costs	(3,110,400)	(900,000)
Net profit	3,888,000	5,850,000

XYZ Company will perform better in terms of total contribution margin. OPQ Company will perform better in terms of net profit.

- $(W1) \qquad $9,000,000 \times 77.76\% = $6,998,400$
- $(W2) $9,000,000 \times 75\% = $6,750,000$
- (W3) Total fixed cost of XYZ company = \$1,850,000 + \$100,000 + \$400,000 + \$760,400 = 3,110,400

(Total 12 marks)

## **SECTION C** (20 marks)

7 (a)

Profit and loss — Interest revenue	1)	The Journal		
(i)         Suspense         555           Profit and loss — Interest expense         500           Profit and loss — Interest revenue         550           (ii)         Trade payables         600           Suspense         600           Bank         800           Bank         500           Suspense         500           (iv)         Profit and loss — Purchase         1,000           Profit and loss — Inventory loss         1,000           Profit and loss — Cost of goods sold [\$3,000 − (\$2,000 − \$120)]         1,120           Inventory         1,120           (v)         Trade payables — Ben Limited (\$45,000 × 2)         90,000           (vi)         Trade payables — Ben Limited (\$45,000 × 2)         90,000           (vi)         Trade receivables — Ben Limited (\$45,000 × 2)         90,000           (vi)         Trade receivables — Ben Limited (\$45,000 × 2)         90,000           (vi)         Trade receivables — Ben Limited (\$45,000 × 2)         20,000           (vii)         Trade receivables (\$6,500 + \$8,000)         14,500           Profit and loss — Sales [\$8,000 × (1 + 150%)]         20,000           (vii)         Trade receivables — Ben Limited (\$45,000 × 2)         14,500           Allowance for doubtful		Details	Dr	Cr
Profit and loss — Interest expense   500			\$	\$
Profit and loss — Interest revenue   55   Trade payables   600     Suspense   800     Bank   800     Bank   500     Suspense   500     Bank   500     Suspense   1,000     Profit and loss — Purchase   1,000     Profit and loss — Inventory loss   1,000     Profit and loss — Cost of goods sold [\$3,000 - (\$2,000 - \$120)]   1,120     Inventory   1,120     Trade payables — Ben Limited (\$45,000 × 2)   90,000     Trade receivables — Ben Limited (\$45,000 × 2)   90,000     Trade receivables — Ben Limited (\$45,000 × 2)   90,000     Profit and loss — Sales [\$8,000 × (1 + 150%)]   20,000     Quij Trade receivables   16,000   14,500     Profit and loss — Sales [\$8,000 × (1 + 150%)]   14,500     Allowance for doubtful accounts   14,500     Profit and loss — Bad debts   10,240     Allowance for doubtful accounts   10,240     Allowance for doubtful accounts   10,240     Profit and loss — Freight expense   1,000     Profit and loss — Installation expense   1,000     Profit and loss — Installation expense   1,000     Profit and loss — Installation expense   1,000	(i)	Suspense	555	
Profit and loss — Interest revenue   55   Trade payables   600     Suspense   800     Bank   800     Bank   500     Suspense   500     Bank   500     Suspense   1,000     Profit and loss — Purchase   1,000     Profit and loss — Inventory loss   1,000     Profit and loss — Cost of goods sold [\$3,000 - (\$2,000 - \$120)]   1,120     Inventory   1,120     Trade payables — Ben Limited (\$45,000 × 2)   90,000     Trade receivables — Ben Limited (\$45,000 × 2)   90,000     Trade receivables — Ben Limited (\$45,000 × 2)   90,000     Profit and loss — Sales [\$8,000 × (1 + 150%)]   20,000     Quij Trade receivables   16,000   14,500     Profit and loss — Sales [\$8,000 × (1 + 150%)]   14,500     Allowance for doubtful accounts   14,500     Profit and loss — Bad debts   10,240     Allowance for doubtful accounts   10,240     Allowance for doubtful accounts   10,240     Profit and loss — Freight expense   1,000     Profit and loss — Installation expense   1,000     Profit and loss — Installation expense   1,000     Profit and loss — Installation expense   1,000		Profit and loss — Interest expense		500
Suspense   800		Profit and loss — Interest revenue		55
Suspense   800	(ii)	Trade payables	600	
Bank   Soo   Soo				600
Bank   Soo   Soo	(iii)	Suspense	800	
Suspense   5000				800
(iv)       Profit and loss — Purchase       1,000         Profit and loss — Inventory loss       1,000         Profit and loss — Cost of goods sold [\$3,000 – (\$2,000 – \$120)]       1,120         Inventory       1,120         (v)       Trade payables — Ben Limited (\$45,000 × 2)       90,000         Trade receivables — Ben Limited       90,000         (vi)       Trade receivables       16,000         Deposit received       4,000         Profit and loss —Sales [\$8,000 × (1 + 150%)]       20,000         (vii)       Trade receivables (\$6,500 + \$8,000)       14,500         Allowance for doubtful accounts       14,500         Profit and loss —Bad debts       14,500         Alternative answer:       14,500         Trade receivables       14,500         Profit and loss - Bad debts       8,000         (viii)       Profit and loss - Bad debts       8,000         (viii)       Profit and loss - Increase in allowance for doubtful accounts (Workings)       10,240         (ix)       Machinery       4,000         Profit and loss — Freight expense       1,000         Profit and loss — Installation expense       3,000         Profit and loss : Depreciation expense [(\$1,000 + \$3,000) × 15% × 5/12]       250		Bank	500	
(iv)       Profit and loss — Purchase       1,000         Profit and loss — Inventory loss       1,000         Profit and loss — Cost of goods sold [\$3,000 - (\$2,000 - \$120)]       1,120         Inventory       1,120         (v)       Trade payables — Ben Limited (\$45,000 × 2)       90,000         Trade receivables — Ben Limited       90,000         (vi)       Trade receivables       16,000         Deposit received       4,000         Profit and loss —Sales [\$8,000 × (1 + 150%)]       20,000         (vii)       Trade receivables (\$6,500 + \$8,000)       14,500         Allowance for doubtful accounts       14,500         Allowance for doubtful accounts       14,500         Profit and loss —Bad debts       14,500         Profit and loss - Bad debts recovered       6,500         Profit and loss - Bad debts       8,000         (viii)       Profit and loss —Increase in allowance for doubtful accounts (Workings)       10,240         (viii)       Machinery       4,000         Profit and loss — Freight expense       1,000         Profit and loss — Installation expense       3,000         Profit and loss : Depreciation expense [(\$1,000 + \$3,000) × 15% × 5/12]       250		Suspense		500
Profit and loss — Cost of goods sold [\$3,000 − (\$2,000 − \$120)]         1,120           Inventory         1,120           (v) Trade payables — Ben Limited (\$45,000 × 2)         90,000           Trade receivables — Ben Limited         90,000           (vi) Trade receivables         16,000           Deposit received         4,000           Profit and loss —Sales [\$8,000 × (1 + 150%)]         20,000           (vii) Trade receivables (\$6,500 + \$8,000)         14,500           Allowance for doubtful accounts         14,500           Profit and loss —Bad debts         14,500           Profit and loss —Bad debts         14,500           Profit and loss - Bad debts         6,500           Profit and loss - Bad debts         10,240           Allowance for doubtful accounts         10,240           Allowance for doubtful accounts         10,240           Allowance for doubtful accounts         3,000           (viii) Profit and loss —Increase in allowance for doubtful accounts (Workings)         10,240           Allowance for doubtful accounts         3,000           (ix) Machinery         4,000           Profit and loss — Freight expense         1,000           Profit and loss — Installation expense         3,000	(iv)	*	1,000	
Profit and loss — Cost of goods sold [\$3,000 − (\$2,000 − \$120)]         1,120           Inventory         1,120           (v) Trade payables — Ben Limited (\$45,000 × 2)         90,000           Trade receivables — Ben Limited         90,000           (vi) Trade receivables         16,000           Deposit received         4,000           Profit and loss —Sales [\$8,000 × (1 + 150%)]         20,000           (vii) Trade receivables (\$6,500 + \$8,000)         14,500           Allowance for doubtful accounts         14,500           Profit and loss —Bad debts         14,500           Profit and loss —Bad debts         14,500           Profit and loss - Bad debts         6,500           Profit and loss - Bad debts         10,240           Allowance for doubtful accounts         10,240           Allowance for doubtful accounts         10,240           Allowance for doubtful accounts         3,000           (viii) Profit and loss —Increase in allowance for doubtful accounts (Workings)         10,240           Allowance for doubtful accounts         3,000           (ix) Machinery         4,000           Profit and loss — Freight expense         1,000           Profit and loss — Installation expense         3,000		Profit and loss — Inventory loss		1,000
Inventory			1,120	
Trade receivables — Ben Limited       90,000         (vi)       Trade receivables       16,000         Deposit received       4,000         Profit and loss —Sales [\$8,000 × (1 + 150%)]       20,000         (vii)       Trade receivables (\$6,500 + \$8,000)       14,500         Allowance for doubtful accounts       14,500         Profit and loss —Bad debts       14,500         Alternative answer:       14,500         Trade receivables       14,500         Profit and loss - Bad debts recovered       6,500         Profit and loss - Bad debts       8,000         (viii)       Profit and loss —Increase in allowance for doubtful accounts (Workings)       10,240         Allowance for doubtful accounts       10,240         (ix)       Machinery       4,000         Profit and loss — Freight expense       1,000         Profit and loss — Installation expense       3,000         Profit and loss : Depreciation expense [(\$1,000 + \$3,000) × 15% × <sup>5</sup> / <sub>12</sub> ]       250				1,120
Trade receivables — Ben Limited       90,000         (vi)       Trade receivables       16,000         Deposit received       4,000         Profit and loss —Sales [\$8,000 × (1 + 150%)]       20,000         (vii)       Trade receivables (\$6,500 + \$8,000)       14,500         Allowance for doubtful accounts       14,500         Profit and loss —Bad debts       14,500         Alternative answer:       14,500         Trade receivables       14,500         Profit and loss - Bad debts recovered       6,500         Profit and loss - Bad debts       8,000         (viii)       Profit and loss —Increase in allowance for doubtful accounts (Workings)       10,240         Allowance for doubtful accounts       10,240         (ix)       Machinery       4,000         Profit and loss — Freight expense       1,000         Profit and loss — Installation expense       3,000         Profit and loss : Depreciation expense [(\$1,000 + \$3,000) × 15% × <sup>5</sup> / <sub>12</sub> ]       250	(v)	Trade payables — Ben Limited ( $\$45,000 \times 2$ )	90,000	
Deposit received				90,000
Profit and loss —Sales [\$8,000 × (1 + 150%)]       20,000         (vii) Trade receivables (\$6,500 + \$8,000)       14,500         Allowance for doubtful accounts       14,500         Allowance for doubtful accounts       14,500         Profit and loss —Bad debts       14,500         Alternative answer:       14,500         Profit and loss - Bad debts recovered       6,500         Profit and loss - Bad debts       8,000         (viii) Profit and loss —Increase in allowance for doubtful accounts (Workings)       10,240         (x) Machinery       4,000         Profit and loss — Freight expense       1,000         Profit and loss — Installation expense       3,000         Profit and loss : Depreciation expense [(\$1,000 + \$3,000) × 15% × <sup>5</sup> / <sub>12</sub> ]       250	(vi)	Trade receivables	16,000	
(vii)Trade receivables ( $\$6,500 + \$8,000$ ) $14,500$ Allowance for doubtful accounts $14,500$ Profit and loss —Bad debts $14,500$ Alternative answer: $14,500$ Trade receivables $14,500$ Profit and loss - Bad debts recovered $6,500$ Profit and loss - Bad debts $8,000$ (viii)Profit and loss —Increase in allowance for doubtful accounts (Workings) $10,240$ (ix)Machinery $4,000$ Profit and loss — Freight expense $1,000$ Profit and loss — Installation expense $3,000$ Profit and loss : Depreciation expense [( $\$1,000 + \$3,000$ ) × $15\%$ × $5/12$ ] $250$		Deposit received	4,000	
(vii)Trade receivables ( $\$6,500 + \$8,000$ ) $14,500$ Allowance for doubtful accounts $14,500$ Profit and loss —Bad debts $14,500$ Alternative answer: $14,500$ Trade receivables $14,500$ Profit and loss - Bad debts recovered $6,500$ Profit and loss - Bad debts $8,000$ (viii)Profit and loss —Increase in allowance for doubtful accounts (Workings) $10,240$ (ix)Machinery $4,000$ Profit and loss — Freight expense $1,000$ Profit and loss — Installation expense $3,000$ Profit and loss : Depreciation expense [( $\$1,000 + \$3,000$ ) × $15\%$ × $5/12$ ] $250$		Profit and loss —Sales [ $\$8,000 \times (1+150\%)$ ]		20,000
Allowance for doubtful accounts  Profit and loss —Bad debts  Alternative answer:  Trade receivables  Profit and loss - Bad debts recovered  Profit and loss - Bad debts  (viii) Profit and loss —Increase in allowance for doubtful accounts (Workings)  Allowance for doubtful accounts  (ix) Machinery  Profit and loss — Freight expense  Profit and loss — Installation expense  Profit and loss : Depreciation expense $[(\$1,000 + \$3,000) \times 15\% \times 5/12]$ 250	(vii)		14,500	
Allowance for doubtful accounts  Profit and loss —Bad debts  Alternative answer:  Trade receivables  Profit and loss - Bad debts recovered  Profit and loss - Bad debts  (viii) Profit and loss —Increase in allowance for doubtful accounts (Workings)  Allowance for doubtful accounts  (ix) Machinery  Profit and loss — Freight expense  Profit and loss — Installation expense  Profit and loss : Depreciation expense $[(\$1,000 + \$3,000) \times 15\% \times 5/12]$ 250		Allowance for doubtful accounts		14,500
Alternative answer:Trade receivables $14,500$ Profit and loss - Bad debts recovered $6,500$ Profit and loss - Bad debts $8,000$ (viii) Profit and loss — Increase in allowance for doubtful accounts (Workings) $10,240$ Allowance for doubtful accounts $10,240$ (ix) Machinery $4,000$ Profit and loss — Freight expense $1,000$ Profit and loss — Installation expense $3,000$ Profit and loss : Depreciation expense [ $(\$1,000 + \$3,000) \times 15\% \times 5/12$ ] $250$		Allowance for doubtful accounts	14,500	
Trade receivables $14,500$ Profit and loss - Bad debts recovered $6,500$ Profit and loss - Bad debts $8,000$ (viii) Profit and loss —Increase in allowance for doubtful accounts (Workings) $10,240$ Allowance for doubtful accounts $10,240$ (ix) Machinery $4,000$ Profit and loss — Freight expense $1,000$ Profit and loss — Installation expense $3,000$ Profit and loss : Depreciation expense [ $(\$1,000 + \$3,000) \times 15\% \times 5/12$ ] $250$		Profit and loss —Bad debts		14,500
Profit and loss - Bad debts recovered $6,500$ Profit and loss - Bad debts $8,000$ (viii) Profit and loss — Increase in allowance for doubtful accounts (Workings) $10,240$ Allowance for doubtful accounts $10,240$ (ix) Machinery $4,000$ Profit and loss — Freight expense $1,000$ Profit and loss — Installation expense $3,000$ Profit and loss : Depreciation expense [ $(\$1,000 + \$3,000) \times 15\% \times 5/12$ ] $250$		Alternative answer:		
Profit and loss - Bad debts8,000(viii)Profit and loss — Increase in allowance for doubtful accounts (Workings) $10,240$ Allowance for doubtful accounts $10,240$ (ix)Machinery $4,000$ Profit and loss — Freight expense $1,000$ Profit and loss — Installation expense $3,000$ Profit and loss : Depreciation expense [ $(\$1,000 + \$3,000) \times 15\% \times 5/12$ ] $250$		Trade receivables	14,500	
(viii)Profit and loss —Increase in allowance for doubtful accounts (Workings) $10,240$ Allowance for doubtful accounts $10,240$ (ix)Machinery $4,000$ Profit and loss — Freight expense $1,000$ Profit and loss — Installation expense $3,000$ Profit and loss : Depreciation expense [ $(\$1,000 + \$3,000) \times 15\% \times 5/12$ ] $250$		Profit and loss - Bad debts recovered		6,500
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		Profit and loss - Bad debts		8,000
(ix)Machinery4,000Profit and loss — Freight expense1,000Profit and loss — Installation expense3,000Profit and loss : Depreciation expense $[(\$1,000 + \$3,000) \times 15\% \times 5/12]$ 250	(viii)	Profit and loss —Increase in allowance for doubtful accounts (Workings)	10,240	
Profit and loss — Freight expense $1,000$ Profit and loss — Installation expense $3,000$ Profit and loss : Depreciation expense $[(\$1,000 + \$3,000) \times 15\% \times 5/12]$ $250$		Allowance for doubtful accounts		10,240
Profit and loss — Freight expense $1,000$ Profit and loss — Installation expense $3,000$ Profit and loss : Depreciation expense $[(\$1,000 + \$3,000) \times 15\% \times 5/12]$ $250$	(ix)	Machinery	4,000	· · · · · · · · · · · · · · · · · · ·
Profit and loss — Installation expense $3,000$ Profit and loss : Depreciation expense $[(\$1,000 + \$3,000) \times 15\% \times 5/12]$ 250		•		1,000
Profit and loss: Depreciation expense $[(\$1,000 + \$3,000) \times 15\% \times 5/12]$ 250		Profit and loss — Installation expense		3,000
			250	
				250

Adjusted trade receivables : \$500,000 - \$90,000 + \$16,000 + \$14,500 = \$440,500

Increase in allowance for doubtful accounts :  $$440,500 \times 8\% - $500,000 \times 5\% = $10,240$ 

(b)

Suspense

	Sus	pense	
	\$		\$
Profit and loss	555	Difference as per trial balance	255
Bank	800	Trade payables	600
		Bank	500
	1,355		1,355

(Total 20 marks)

8 (a)

Cash at Bank

	\$		\$
Balance b/d	340,850	Trade receivables (ii)	30,000
Trade payables — Alien Co (i)	20,000	Trade receivables (iii)	4,000
Trade payables — Donny Co (i)	15,000	Trade receivables (iv)	18,000
Dividend income (v)	1,000	Interest expense (vi) ( $$200,000 \times 5\% \div 2$ )	5,000
		Suspense (vii)	44,000
		Short-term deposit (viii) $\{[(\$60,000 \times 3\% \times {}^{6}/_{12}) + \$60,000]$	
		÷ 2}	30,450
		Balance c/d	245,400
	376,850		376,850

(b)

Chan Company
Bank Reconciliation Statement as at 31 December 2021

		\$
Balance as per bank statement (balancing figure)		183,400
Add Uncredited cheques:		
#32887 (ii)	70,000	
#32888 (ii)	25,000	95,000
		278,400
Less Unpresented cheques:		
#25778 (i)	12,000	
#25779 (i)	18,000	30,000
Less Bank error (ix)		3,000
Balance as per updated cash at bank account [from (a)]		245,400

- (c) A bank reconciliation statement is used to explain the difference between the balance of the bank account

  (i.e., the current account) in the cash book and the balance shown on the bank statement at a given date, thus reassuring the owner of the company and auditors that the difference is explicable and that there were genuine reasons for it.
- (d) (i) Cheque #25777
  - (ii) Cheque #32779

(Total 20 marks)