



2008 ACCOUNTING Written examination 2

Suggested solutions

This book presents:

- correct solutions
- mark allocations
- tips and guidelines

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Question 1

Coates Clothing

Tara Coates operates a small business, Coates Clothing, selling clothing purchased from a factory in Geelong. Tara's accountant maintains a double-entry accrual accounting system. The business uses a perpetual stock recording system with the FIFO cost assignment method. Control accounts are used for Debtors, Creditors and Stock.

1.1 Tara sells two different types of winter jackets. Details relating to the "Wind-breaker" jackets for June 2008 are shown below.

June 1 Balance: 3 Wind-breaker jackets at cost price of \$60 each

Coates Clothing

ABN 86 218 677 535 Tax Invoice Number 76 Date 07/06/2008 To: Daniel Bohem For 1 Wind-breaker Jacket \$200 plus GST \$20 Total \$220 Terms: n/60

Firefly Freight Company ABN 86 313 612 236

ABN 86 515 612 256 **Invoice 255** For: Freight of 10 Jackets Geelong to Melbourne (inv 328) Amount \$100 plus GST \$10 Total Charge \$110 Due: strictly 7 days Date 13/06/2008

Coates Clothing

ABN 86 218 677 535 Credit Note Number 9 Date 23/06/2008 To: Kew Basketball Club For 1 Wind-breaker Jacket @\$200 plus GST \$20 Total \$220 Reason: Damaged stitching

Geelong Clothing Co.

Tax Invoice 328Date: 12/6/08Charged to:Coates ClothingItems10 Wind-breaker jacketsCost per item\$70 plus \$7 GSTTotal Invoice\$770Credit Terms 2/7 n/30

ABN 86 971 121 871

Coates Clothing

ABN 86 218 677 535 Tax Invoice Number 79 Date 17/06/2008 To: Kew Basketball Club For 8 Wind-breaker Jackets @\$200 plus GST \$20 each Total \$1 760 Terms: n/60

<u>Geelong Clothing Co.</u>

Credit Note 18Date: 25/6/08 Given to: Coates Clothing Items 1 Wind-breaker jacket Total Credit \$88 Reason for Credit – Broken stitching ABN 86 971 121 871

Coates Clothing
Memo No. 42
A physical stocktake conducted on 30 June
revealed 3 Wind-breaker Jackets on hand.
However, one is shop soiled and will be sold
online for \$60 Plus \$6 GST less \$5 EBay costs.
Please adjust the records accordingly
rease august the records accordingly

DATE 30/6/08

DATE: TO: FOR:	30 June 2008 MLC INSURANCE Shop Stock Insurance \$350 plus GST \$35
BAL C/F AMOUNT: BALANCE: CHEQUE NO	\$385

Required

1.1.1 State the special journal that would be used to record the transaction on 7 June 2008 (Invoice 76).

Solution 1.1.1

Special Journal Credit Sales Journal

SIGNED: Tara C

1 mark

1.1.2 Record all relevant information into the Stock card for Wind-breaker Jackets. **Solution 1.1.2**

Date 2008	Details IN			OUT			BALANCE			
		Qty	Unit Cost \$	Total Cost \$	Qty	Unit Cost \$	Total Cost \$	Qty	Unit Cost \$	Total Cost \$
June 1	Balance							3	60	180
7	Inv 76				1	60	60	2	60	120
12	Inv 328	10	70	700				2	60	120
								10	70	700
13	Inv 255	10	10	100				2	60	120
								10	80	800
17	Inv 79				2	60	120			
					6	80	480	4	80	320
23	CN 9	1	80	80				5	80	400
25	CN 18				1	80	80	4	80	320
31	Memo 42				1	80	80	2	80	160
					1	25	25	1	55	55

STOCK CARD:	WIND-BREAKER JACKETS

Mark allocation

8 marks

- 1 mark per entry except Memo 42 which is worth 2 marks
- Maximum 1 mark subtracted for incorrect details

Tips

- Date order is essential in the stock cards.
- The Total Cost can be combined where there are two or more item values however this is not recommended as it increases the chances of an arithmetic error.
- It would **not** be recorded as an error if students balanced the stock card after the 13 June transaction and did not do each one separately.

1.1.3 Explain, with reference to one accounting principle **and** one qualitative characteristic, why the information in Memo 42 should be recognised in the financial reports of Coates Clothing.

Solution 1.1.3

Explanation When stock is lost or no longer worth what the business paid for it then

to not record this at the time would be a breach of conservatism, which requires that

assets not be overstated and expenses recognized when probable. This ensures that the

users of the reports have relevant information in order to make better decisions

Accounting Principle Conservatism

Qualitative Characteristic *Relevance*

Mark allocation

- 1 mark for Conservatism as the accounting principle
- 1 marks for either assets not overstated **or** recognizes expenses when probable
- 1 mark for Relevance as the qualitative characteristic
- 1 mark for decision making
- **1.1.4** Referring to your answer in 1.1.2 **explain** your treatment (product or period cost) of the cost of insurance on all stock (Cheque 108).

Solution 1.1.4

Explanation *The insurance should be treated as a PERIOD COST*

As the insurance relates to all stock items carried by the business, it could

not reasonably be allocated to individual units of stock on a logical basis and

therefore should be expensed in the reporting period rather than treated as a product

cost

Mark allocation

- 1 mark for identifying that it is treated as a period cost
- 1 mark for the explanation including that it is difficult to allocate **and** either expensed **or** not product cost

4 marks

1.1.5 Show the General Journal entries necessary to record the transactions from Credit Note 9, Credit Note 18 and Memo 42. (Narrations are **not** required)

Solution 1.1.5

GENERAL JOURNAL									
Date	Particulars	General	Ledger	Subsidiar	y Ledger				
2008		Debit \$	Credit \$	Debit \$	Credit \$				
June23	Sales Return	200							
	GST Clearing	20							
	Debtors Control		220						
	Debtor – Kew B.Ball Club				220				
	Stock Control	80							
	COS		80						
June25	Creditors Control	88							
	Creditor – Geelong Clothing			88					
	Stock Control		80						
	GST Clearing		8						
June30	Stock Loss	80							
	Stock Control		80						
	Stock Write Down	25							
	Stock Control		25						

GENERAL JOURNAL

Mark allocation

12 marks

- 1 mark per line (except Control account and Subsidiary Account worth 1 mark if both correct)
- Maximum 1 mark subtracted for incorrect tittles. Must have the words "Control" and "Clearing"

Tips

• Students may place the control account and subsidiary account on the one line although space is often limited.

1.1.6 Define the term 'Net Realisable Value'.

Solution 1.1.6

Net Realisable Value *The estimated selling price of a stock item*

Less any costs involved in its selling, marketing and distribution.

Mark allocation

2 marks

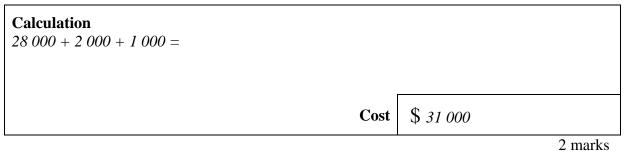
- 1 mark per line
- **1.2** On 1 July 2008 Coates Clothing purchased a new vehicle on credit to be used for deliveries. Although the Van was on the showroom floor with a price of \$36 000, Tara negotiated the following price with the dealer who prepared the van to meet her needs. The details of invoice 212 issued by MC Ford are listed below:

Van	\$28 000
Modifications	\$2 000
Delivery Fee	\$1 000
12 Months Registration	\$500
Annual Insurance	\$400
GST	\$3 190
TOTAL	\$ 35 090

Required

1.2.1 Calculate the cost of the van to be reported in the Balance Sheet of Coates Clothing.

Solution 1.2.1



- 2 marks for correct response
- 1 mark subtracted for including either Registration or Insurance or both
- 1 mark subtracted for including GST

1.2.2 Referring to your answer in 1.2.1, **explain** your treatment of the delivery fee.

Solution 1.2.2

Explanation It is included in the cost of the asset as it is necessary to bring the van into

a condition and location ready for use, and will bring a benefit over its useful life.

Mark allocation

2 marks

- 1 mark for 'condition and location ready for use'
- 1 mark for 'benefit over the life of the asset'

Tips

• A student who has not included the delivery fees in the cost of the asset would have already lost marks in 1.2.1, therefore they can be awarded full marks here for explaining it in the negative.

1.2.3 Record the purchase of the van into the General Journal. (Narration is **not** required). **Solution 1.2.3**

Date	Particulars	General	Ledger	Subsidiary Ledger		
2008		Debit \$	Credit \$	Debit \$	Credit \$	
July 1	Van	31 000				
	Prepaid Registration	500				
	Prepaid Insurance	400				
	GST Clearing	3 190				
	Sundry Creditor – MC Ford		35 090			
	1	1	I I		5 marks	

GENERAL JOURNAL

Mark allocation

•

1 mark for each line (all titles must be correct)

1.3 The van had an estimated useful life of 2 years and a scrap value of \$19 000. On 31 October Tara received an offer from MC Ford on a bigger and better van that she decided to accept. She traded the current van for \$28 000 which was deducted off the invoice price of the new van of \$50 000 plus GST \$5 000.

Required

1.3.1 Show how the Van and Disposal of Van accounts would appear in the General Ledger after the Trade in has occurred. (Balancing and the closing of accounts are **not** required).

Solution 1.3.1

Date 2008	Cross Reference	\$	Date 2008	Cross Reference	\$
July 1	Sundry Creditor – MC Ford	31 000	Oct 31	Disposal of Van	31 000
Oct 31	Sundry Creditor – MC Ford	50 000			

VAN

DISPOSAL OF VAN

Date 2008	Cross Reference	\$	Date 2008	Cross Reference	\$
Oct 31	Van	31 000	Oct 31	Acc Depn – Van	2 000
				Sundry Creditor – MC Ford	28 000
				Loss on Disposal Van	1 000

7 marks

Total 45 marks

10

Question 2

For the purpose of Question 2 you are <u>not</u> required to consider GST.

Ellis Electrical

Coen Ellis is starting his own small business on 1 July 2008, Ellis Electrical, selling electrical equipment to Schools and clubs. Coen's accountant will maintain a double-entry accrual accounting system. The business will use a perpetual stock recording system with the FIFO cost assignment method. Control accounts will be used for Creditors, Debtors and Stock.

2.1 During the first month of his new business Coen hopes to generate total sales of \$60 000 with cash sales making up 80% of total sales. He has estimated the debtors balance at the end of the first month to be approximately \$1 000. It is expected that bad debts will be 2% of credit sales. He will offer a 2% discount for prompt payment and he expects that this will cost him about \$500.

Most purchases of stock will be made on credit with only \$2 000 being cash. Coen estimates that the cost of sales will be 50% of the total sales and that the stock on hand at end will be \$8 000. He should earn \$1 000 in discounts for prompt payment of his accounts. At the end of the first month creditors are expected to be owed \$4 000. Coen is anticipating a stock loss of 1% of cost of sales.

Required

2.1.1 Reconstruct the Debtors Control accounts in order to calculate budgeted receipts from Debtors for the month of July 2008.

Date 2008	Cross Reference	\$	Date 2008	Cross Reference	\$
July31	Credit Sales	12 000	July31	Bad Debts	240
				Discount Exp	500
				Bank	10 260
				Balance	1 000
		<u>12 000</u>			<u>12 000</u>

Solution 2.1.1

DEBTORS CONTROL

Receipts from Debtors \$ 10 260

4 marks

- 4 marks for the correct response in the Receipts from Debtors box
- If not correct then instead award 1 mark for each correct entry in the table (ignoring Bank)
- Maximum 1 mark subtracted for alien entries

2.1.2 Reconstruct the Stock Control Account and the Creditors Control Account to **calculate** budgeted payments to creditors for the month of July 2008.

Solution 2.1.2

Date 2008	Cross Reference	\$	Date 2008	Cross Reference	\$
July31	Creditors Control	36 300	July31	Cost of Sales	30 000
	Bank	2 000		Stock Loss	300
				Balance	8 000
		<u>38 300</u>			<u>38 300</u>

STOCK CONTROL

CREDITORS CONTROL

Date 2008	Cross Reference	\$	Date 2008	Cross Reference	\$
July31	Discount Revenue	1 000	July31	Stock Control	36 300
	Bank	31 300			
	Balance	<u>4 000</u>			
		<u>36 300</u>			<u>36 300</u>

Payments to Creditors \$ 31 300

5 marks

- 5 marks for the correct response in the Payments to Creditors box
- If not correct, then instead award marks for the following correct entries in the table: 1 mark for Cost of Sales, 1 mark for Stock Loss, 1 mark for Discount Revenue, 1 mark for Balances in both accounts, 1 mark for 36 300 in both accounts
- Maximum 1 mark subtracted for alien entries

2.1.3 State two reasons why the suppliers of Ellis Electrical would offer him a discount for prompt payment of his accounts.

Solution 2.1.3

Reason 1 Access the cash for alternative purposes

Decrease administration costs associated with outstanding debts

Reason 2 Decrease likelihood of Bad debts

Mark allocation

2 marks

• 1 mark per correct response

Tips

- As the question only asks you to 'State', there is no need for detailed responses.
- **2.1.4** Explain one negative effect on the profitability of Ellis Electrical offering a discount for prompt payment of accounts.

Solution 2.1.4

Explanation Discount expense is a reduction in inflows to the entity and therefore will

reduce the net profit of the business

Mark allocation

- 1 mark for expense
- 1 mark for reduce net profit
- **2.2** In addition to the above information Ellis Electrical also provided the following information regarding expectations for July.
 - Wages are estimated to be \$800 of which half will be paid in July and half in August.
 - Annual insurance will be paid on 3 July \$1 800.
 - Rent for July is \$400. This is payable in August.

Required

2.2.1 Prepare the Budgeted Profit and Loss Statement for the month ended 31 July 2008. **Solution 2.2.1**

ELLIS ELECTRICAL

BUDGETED PROFIT AND LOSS STATEMENT

FOR THE MONTH ENDED 31 JULY 2008

Expected Revenue	\$	\$
Sales		60 000
Less Cost of Goods Sold		
Cost Of Sales		<u>30 000</u>
GROSS PROFIT		30 000
Less Stock Loss		<u>300</u>
ADJUSTED GROSS PROFIT		29 700
Add other Revenue		
Discount Revenue		<u>1 000</u>
		30 700
Less other Expenses		
Bad Debts	240	
Discount Expense	500	
Wages	800	
Insurance	150	
Rent	400	2 090
NET PROFIT		<u>28 610</u>
	I I	7 marks

Mark allocation

- 1 mark for Sales and Less Cost of Goods Sold title (No abbreviations as it is a report)
- 1 mark for Cost of Sales and Gross Profit
- 1 mark for Less Stock Loss and Adjusted Gross Profit
- 1 mark for Add other Revenue and Discount Revenue with the subtotal
- 1 mark for Bad debts and Discount Expense
- 1 mark for Wages and Rent
- 1 mark for Insurance
- 1 mark subtracted if the report is not finished off correctly and net profit calculated.
- 1 mark subtracted for alien entries
- **2.2.2 Prepare** an extract from the Budgeted Statement of Cash Flows to show the Cash Flow from Operations for the month ended 31 July 2008.

Solution 2.2.2

ELLIS ELECTRICAL

EXTRACT FROM BUDGETED STATEMENT OF CASH FLOWS

FOR THE MONTH ENDED 31 JULY 2008

Cash Flow from Operating Activities	\$	\$
Inflows – Receipts from debtors	10 260	
Cash Sales	<u>48 000</u>	58 260
Outflows – Payments to creditors	(31 300)	
Stock	(2 000)	
Wages	(400)	
Prepaid Insurance	<u>(1 800)</u>	<u>(35 500)</u>
NET CASH FROM OPERATING ACTIVITIES		22 760

6 marks

• 1 mark for each item

- 1 mark subtracted for not indicating inflows and outflows (either with a title, brackets or both)
- 1 mark subtracted for not completing the report with 'Net Cash from Operating Activities'
- 1 mark subtracted for alien entries

2.3 After asking his accountant to evaluate his plans for the first month, Coen is concerned that his Cash Flow Ratio (Net Cash Flow from Operating Activities / Average Current Liabilities) of 10 times per month may not be satisfactory for his business.

Required

2.3.1 Explain what is meant by 'liquidity' and explain how the Cash Flow Ratio is an indicator of liquidity.

Solution 2.3.1

Explanation Liquidity refers to the ability of a business to meet short term financial

commitments when they fall due.

The CFR indicates the number of times in a period the Net Cash Flow from Operations

is able to cover average current liabilities. If it can generate sufficient cash then it will

not require investing or financing activities to meet its debts.

Mark allocation

1 mark for 'short term debts'

- 1 mark for 'when they fall due'
- 1 mark for explanation of the ratio
- **2.3.2** Other than the Working Capital Ratio, **state** two other **liquidity ratios** that Coen may be able to refer to in order to assess his liquidity.

Solution 2.3.2

Liquidity Ratio 1 Quick Asset

Liquidity Ratio 2 Interest Cover

Tips

- *Given the limitations of the study design these are the only answers covered by the course.*
- **2.4** After 2 months of rapid growth Ellis Electrical was able to present the following information in order to evaluate the profitability of the business for July and August 2008.

	July	August
Sales	\$50 000	\$80 000
Gross Profit	\$30 000	\$50 000
Net Profit	\$20 000	\$36 100
Average Total Assets	\$50 000	\$95 000
Return On Assets (NP/Av TA)	40%	38%
Net Profit Ratio (NP/Sales)	40%	45%

Required

2.4.1 Explain what the Return on Assets ratio measures and discuss the trend in the ratio from July to August.

Solution 2.4.1

Explanation This ratio indicates that the business generated 38cents of net profit for

every dollar invested in average total assets during the month. This shows the

business is less profitable as they are using their assets less effectively

Mark allocation

1 mark for the explanation of the ROA ratio

- 1 mark for identifying decrease in profitability
- **2.4.2** Explain why the Return on Assets is decreasing given that the Net Profit Ratio is increasing.

Solution 2.4.2

Explanation Because the average total assets is increasing at a greater rate

proportional to the Net Profit

Mark allocation

•

- 1 mark for ATO is increasing
- 1 mark for identifying that it is at a greater rate than Net Profit.
- **2.4.3** State one strategy that Ellis Electrical could adopt in order to improve the Return on Assets without changing it Net Profit Ratio.

Solution 2.4.3

Strategy Sell inefficient assets, generate more sales with the assets on hand or buy

more efficient assets

Mark allocation

• 1 mark for any of the above

1 mark

2 marks

2.4.4 State two strategies Coen could adopt to improve his Net Profit Ratio.

Solution 2.4.4

Strategy 1 Increase GPR via increase mark up	
Strategy 2 Increase expense control to cut out waste	
	2 marks

Mark allocation

• 1 mark for each strategy

Tips

• Students are required to state more than just 'increase Gross Profit' or 'decrease expenses'.

2.4.5 Complete the (extract of) Profit and Loss Variance report in the answer booklet.

Solution 2.4.5

	Actual	Budget	Variance	F/U
Sales	80 000	75 000	5 000	F
Advertising	3 000	4 000	1 000	F

2 marks

Mark allocation

- 1 mark per line
- **2.5** Although Coen has been advised that his profitability for each month is excellent, he is not happy with the return he is receiving from the business.

Required

2.5.1 Explain one possible reason why Coen may be unhappy with the profitability of the business.

Solution 2.5.1

Explanation The hours worked to generate these returns may be very long and

unsustainable. He may need to employ another staff member which will decrease his

Profitability and perhaps further complicate the business.

The growth may be unsustainable as the market gets flooded by himself or competition

2 marks

Tips

- A sound explanation will gain two marks, however, it should be recognized that these ratios are for one month and are likely to represent a very high return for the year. Therefore reference to alternative investments will require significant explanation.
- Sometimes a question may not have a clearly correct answer. These are often the questions students should spend a little more time on.

2.5.2 State three items of non financial information that could be used by Ellis Electrical to assess their relationship with customers.

Solution 2.5.2

Item 1 Number of repeat customers	Customer surveys
Item 2 Number of Sales Returns	Attitude of customers
Item 3 Number of Customer complaints	

Mark allocation

3 marks

• 1 mark per item (must not refer to amount, therefore, to just state 'Sales Returns' would be incorrect as this could be assumed to be the dollar amount)

Tips

• It is hoped that by asking for three items, students who understand this area will be able to respond with ease, whereas students hoping to memorize possible answers may be caught out.

Total 45 marks

END OF SOLUTIONS