



## **Cambridge International AS & A Level**

---

**ACCOUNTING**

**9706/23**

Paper 2 Structured Questions

**October/November 2022**

**MARK SCHEME**

Maximum Mark: 90

---

**Published**

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge International will not enter into discussions about these mark schemes.

Cambridge International is publishing the mark schemes for the October/November 2022 series for most Cambridge IGCSE™, Cambridge International A and AS Level components and some Cambridge O Level components.

---

This document consists of **17** printed pages.

**PUBLISHED****Generic Marking Principles**

These general marking principles must be applied by all examiners when marking candidate answers. They should be applied alongside the specific content of the mark scheme or generic level descriptors for a question. Each question paper and mark scheme will also comply with these marking principles.

**GENERIC MARKING PRINCIPLE 1:**

Marks must be awarded in line with:

- the specific content of the mark scheme or the generic level descriptors for the question
- the specific skills defined in the mark scheme or in the generic level descriptors for the question
- the standard of response required by a candidate as exemplified by the standardisation scripts.

**GENERIC MARKING PRINCIPLE 2:**

Marks awarded are always **whole marks** (not half marks, or other fractions).

**GENERIC MARKING PRINCIPLE 3:**

Marks must be awarded **positively**:

- marks are awarded for correct/valid answers, as defined in the mark scheme. However, credit is given for valid answers which go beyond the scope of the syllabus and mark scheme, referring to your Team Leader as appropriate
- marks are awarded when candidates clearly demonstrate what they know and can do
- marks are not deducted for errors
- marks are not deducted for omissions
- answers should only be judged on the quality of spelling, punctuation and grammar when these features are specifically assessed by the question as indicated by the mark scheme. The meaning, however, should be unambiguous.

**GENERIC MARKING PRINCIPLE 4:**

Rules must be applied consistently, e.g. in situations where candidates have not followed instructions or in the application of generic level descriptors.

**GENERIC MARKING PRINCIPLE 5:**

Marks should be awarded using the full range of marks defined in the mark scheme for the question (however; the use of the full mark range may be limited according to the quality of the candidate responses seen).

**GENERIC MARKING PRINCIPLE 6:**

Marks awarded are based solely on the requirements as defined in the mark scheme. Marks should not be awarded with grade thresholds or grade descriptors in mind.

**PUBLISHED****Social Science-Specific Marking Principles  
(for point-based marking)****1 Components using point-based marking:**

- Point marking is often used to reward knowledge, understanding and application of skills. We give credit where the candidate's answer shows relevant knowledge, understanding and application of skills in answering the question. We do not give credit where the answer shows confusion.

From this it follows that we:

- a** DO credit answers which are worded differently from the mark scheme if they clearly convey the same meaning (unless the mark scheme requires a specific term)
- b** DO credit alternative answers/examples which are not written in the mark scheme if they are correct
- c** DO credit answers where candidates give more than one correct answer in one prompt/numbered/scaffolded space where extended writing is required rather than list-type answers. For example, questions that require  $n$  reasons (e.g. State two reasons ...).
- d** DO NOT credit answers simply for using a 'key term' unless that is all that is required. (Check for evidence it is understood and not used wrongly.)
- e** DO NOT credit answers which are obviously self-contradicting or trying to cover all possibilities
- f** DO NOT give further credit for what is effectively repetition of a correct point already credited unless the language itself is being tested. This applies equally to 'mirror statements' (i.e. polluted/not polluted).
- g** DO NOT require spellings to be correct, unless this is part of the test. However spellings of syllabus terms must allow for clear and unambiguous separation from other syllabus terms with which they may be confused (e.g. Corrasion/Corrosion)

**2 Presentation of mark scheme:**

- Slashes (/) or the word 'or' separate alternative ways of making the same point.
- Semi colons (;) bullet points (•) or figures in brackets (1) separate different points.
- Content in the answer column in brackets is for examiner information/context to clarify the marking but is not required to earn the mark (except Accounting syllabuses where they indicate negative numbers).

**PUBLISHED****3 Calculation questions:**

- The mark scheme will show the steps in the most likely correct method(s), the mark for each step, the correct answer(s) and the mark for each answer
- If working/explanation is considered essential for full credit, this will be indicated in the question paper and in the mark scheme. In all other instances, the correct answer to a calculation should be given full credit, even if no supporting working is shown.
- Where the candidate uses a valid method which is not covered by the mark scheme, award equivalent marks for reaching equivalent stages.
- Where an answer makes use of a candidate's own incorrect figure from previous working, the 'own figure rule' applies: full marks will be given if a correct and complete method is used. Further guidance will be included in the mark scheme where necessary and any exceptions to this general principle will be noted.

**4 Annotation:**

- For point marking, ticks can be used to indicate correct answers and crosses can be used to indicate wrong answers. There is no direct relationship between ticks and marks. Ticks have no defined meaning for levels of response marking.
- For levels of response marking, the level awarded should be annotated on the script.
- Other annotations will be used by examiners as agreed during standardisation, and the meaning will be understood by all examiners who marked that paper.

**ANNOTATIONS**

The following annotations are used in marking this paper and should be used by examiner

<b>Annotation</b>	<b>Use or meaning</b>
✓	Correct and relevant point made in answering the question.
×	Incorrect point or error made.
LNK	Two statements are linked.
REP	Repeat
A	An extraneous figure
BOD	Benefit of the doubt given.
SEEN	Noted but no credit given
OF	Own figure
Highlight	Highlight
Off page Comment	Off page comment

**PUBLISHED**

<b>Question</b>	<b>Answer</b>	<b>Marks</b>
1(a)	<p>\$146 850 <b>(2) W1</b></p> <p><b>W1</b>  <math>\\$149\,810 + +(20\,620 - 23\,580) \text{ (1)} = \\$146\,850 \text{ (1) OF}</math></p>	<b>2</b>
1(b)	<p><math>\\$80\,140 + \\$8\,520 - \\$6\,285 = \\$82\,375 \text{ (1)}</math></p>	<b>1</b>
1(c)	<p>\$2840 <b>(3) W1</b></p> <p><b>W1</b>  <math>(\\$240 + \\$15\,280) \text{ (1)} - (\\$5\,400 - \\$7\,170 - \\$110) \text{ (1)} = \\$2840 \text{ (1) OF}</math></p>	<b>3</b>
1(d)	<p>\$2049 <b>(3) W1</b></p> <p><b>W1</b>            Cost: <math>\\$18\,480 + 9200 - \\$6000 = \\$21\,680 \text{ (1)}</math>            Acc Dep'n: <math>\\$9685 - \\$1665 = \\$8\,020 \text{ (1)}</math>            Carrying value <math>\\$13\,660</math>            Depreciation charge (15%) <math>\\$2\,049 \text{ (1) OF}</math></p>	<b>3</b>

**PUBLISHED**

Question	Answer	Marks																																																			
1(e)	<p style="text-align: center;">Reece Income statement for the year ended 30 June 2022</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></th> <th style="width: 20%; text-align: right;">\$</th> <th style="width: 20%; text-align: right;">\$</th> </tr> </thead> <tbody> <tr> <td>Revenue</td> <td></td> <td style="text-align: right;">162 130 (1) OF</td> </tr> <tr> <td>Cost of sales</td> <td></td> <td></td> </tr> <tr> <td>Opening inventory</td> <td style="text-align: right;">23 600</td> <td></td> </tr> <tr> <td>Purchases</td> <td style="text-align: right;">82 375 (1) OF</td> <td></td> </tr> <tr> <td>Goods taken for own use</td> <td style="text-align: right;">(280) (1)</td> <td></td> </tr> <tr> <td></td> <td style="text-align: right; border-top: 1px solid black;">105 695</td> <td></td> </tr> <tr> <td>Closing inventory</td> <td style="text-align: right;">(20 825) (1)</td> <td style="text-align: right; border-top: 1px solid black;">84 870</td> </tr> <tr> <td>Gross profit</td> <td></td> <td style="text-align: right;">77 260 (1) OF</td> </tr> <tr> <td>Wages</td> <td style="text-align: right;">39 080 (1) OF</td> <td></td> </tr> <tr> <td>Rent</td> <td style="text-align: right;">12 100 (1)</td> <td></td> </tr> <tr> <td>Electricity</td> <td style="text-align: right;">3 640 (1)</td> <td></td> </tr> <tr> <td>General expenses</td> <td style="text-align: right;">18 590</td> <td></td> </tr> <tr> <td>Depreciation</td> <td style="text-align: right;">2 049</td> <td></td> </tr> <tr> <td>Loss on disposal</td> <td style="text-align: right;">335 (1)</td> <td></td> </tr> <tr> <td></td> <td style="text-align: right; border-top: 1px solid black; border-bottom: 3px double black;">75 794</td> <td></td> </tr> <tr> <td>Profit for the year</td> <td></td> <td style="text-align: right; border-bottom: 3px double black;">1 466 (1) OF</td> </tr> </tbody> </table>		\$	\$	Revenue		162 130 (1) OF	Cost of sales			Opening inventory	23 600		Purchases	82 375 (1) OF		Goods taken for own use	(280) (1)			105 695		Closing inventory	(20 825) (1)	84 870	Gross profit		77 260 (1) OF	Wages	39 080 (1) OF		Rent	12 100 (1)		Electricity	3 640 (1)		General expenses	18 590		Depreciation	2 049		Loss on disposal	335 (1)			75 794		Profit for the year		1 466 (1) OF	<b>10</b>
	\$	\$																																																			
Revenue		162 130 (1) OF																																																			
Cost of sales																																																					
Opening inventory	23 600																																																				
Purchases	82 375 (1) OF																																																				
Goods taken for own use	(280) (1)																																																				
	105 695																																																				
Closing inventory	(20 825) (1)	84 870																																																			
Gross profit		77 260 (1) OF																																																			
Wages	39 080 (1) OF																																																				
Rent	12 100 (1)																																																				
Electricity	3 640 (1)																																																				
General expenses	18 590																																																				
Depreciation	2 049																																																				
Loss on disposal	335 (1)																																																				
	75 794																																																				
Profit for the year		1 466 (1) OF																																																			
1(f)	<p>Wear and tear (1). Obsolescence (1). Technological change (1). Usage (1).</p> <p><b>Max 2 marks</b></p> <p><b>Accept other valid responses.</b></p>	<b>2</b>																																																			
1(g)(i)	<p>Matching concept (1)</p> <p>To match the costs of usage of the non-current asset with the revenue earned in the same year(1)</p>	<b>2</b>																																																			

**PUBLISHED**

<b>Question</b>	<b>Answer</b>	<b>Marks</b>
1(g)(ii)	Prudence concept <b>(1)</b>  To ensure that inventory / current assets / profit are not overstated <b>(1)</b>	<b>2</b>
1(h)	Would enable Reece to monitor and control all income and expenditure <b>(1)</b> which in turn should avoid the occurrence of irrecoverable debts <b>(1)</b> . However, Reece may not have the necessary skills/time to maintain a full set of accounting records <b>(1)</b> and this may involve additional expenditure and reduced profitability in having to employ skilled services <b>(1)</b>  Advice <b>(1)</b>  <b>Accept other valid responses.</b>	<b>5</b>

**PUBLISHED**

Question	Answer								Marks	
2(a)	Capital accounts								<b>5</b>	
		Darius	Ewan	Karim		Darius	Ewan	Karim		
		\$	\$	\$		\$	\$	\$		
	Goodwill **	18 400	11 040	7 360	Balances b/d	94 300	68 300			
	Balances c/d	102 650	73 310	40 640	Fixtures and fittings			9 500		<b>(1)</b>
					Bank			38 500		<b>(1)</b>
					Goodwill **	23 000	13 800			<b>(1)**</b>
					Revaluation	3 750	2 250			<b>(1)</b>
		121 050	84 350	48 000		121 050	84 350	48 000		
					Balances b/d	102 650	73 310	40 640		<b>(1) OF</b>
<b>** 1 mark is for both Dr and Cr entries</b>										

Question	Answer	Marks																																																																					
2(b)	<p style="text-align: center;">Darius, Ewan and Karim Statement of financial position at 1 August 2022</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: right;">\$</td> <td></td> </tr> <tr> <td>Non-current assets</td> <td></td> <td></td> </tr> <tr> <td>    Property</td> <td style="text-align: right;">135 000</td> <td></td> </tr> <tr> <td>    Fixtures and fittings</td> <td style="text-align: right;">53 500</td> <td></td> </tr> <tr> <td></td> <td style="text-align: right;"><u>188 500</u></td> <td style="text-align: right;"><b>(1)</b></td> </tr> <tr> <td>Current assets</td> <td></td> <td></td> </tr> <tr> <td>    Inventory</td> <td style="text-align: right;">34 200</td> <td style="text-align: right;"><b>(1)</b></td> </tr> <tr> <td>    Trade and other receivables</td> <td style="text-align: right;">6 300</td> <td></td> </tr> <tr> <td>    Bank</td> <td style="text-align: right;">25 800</td> <td style="text-align: right;"><b>(1)</b></td> </tr> <tr> <td></td> <td style="text-align: right;"><u>66 300</u></td> <td></td> </tr> <tr> <td>Total Assets</td> <td style="text-align: right;"><u>254 800</u></td> <td></td> </tr> <tr> <td>Capital and liabilities</td> <td></td> <td></td> </tr> <tr> <td>Capital accounts</td> <td></td> <td></td> </tr> <tr> <td>    Darius</td> <td style="text-align: right;">102 650</td> <td></td> </tr> <tr> <td>    Ewan</td> <td style="text-align: right;">73 310</td> <td></td> </tr> <tr> <td>    Karim</td> <td style="text-align: right;">40 640</td> <td></td> </tr> <tr> <td></td> <td style="text-align: right;"><u>216 600</u></td> <td style="text-align: right;"><b>(1) OF</b></td> </tr> <tr> <td>Non-current liabilities</td> <td></td> <td></td> </tr> <tr> <td>    Bank loan (2025)</td> <td style="text-align: right;">24 000</td> <td style="text-align: right;"><b>(1)</b></td> </tr> <tr> <td>Current liabilities</td> <td></td> <td></td> </tr> <tr> <td>    Trade and other payables</td> <td style="text-align: right;">14 200</td> <td></td> </tr> <tr> <td>Total liabilities</td> <td style="text-align: right;"><u>38 200</u></td> <td></td> </tr> <tr> <td>Total capital and liabilities</td> <td style="text-align: right;"><u>254 800</u></td> <td style="text-align: right;"><b>(1) OF</b></td> </tr> </table>		\$		Non-current assets			Property	135 000		Fixtures and fittings	53 500			<u>188 500</u>	<b>(1)</b>	Current assets			Inventory	34 200	<b>(1)</b>	Trade and other receivables	6 300		Bank	25 800	<b>(1)</b>		<u>66 300</u>		Total Assets	<u>254 800</u>		Capital and liabilities			Capital accounts			Darius	102 650		Ewan	73 310		Karim	40 640			<u>216 600</u>	<b>(1) OF</b>	Non-current liabilities			Bank loan (2025)	24 000	<b>(1)</b>	Current liabilities			Trade and other payables	14 200		Total liabilities	<u>38 200</u>		Total capital and liabilities	<u>254 800</u>	<b>(1) OF</b>	<b>6</b>
	\$																																																																						
Non-current assets																																																																							
Property	135 000																																																																						
Fixtures and fittings	53 500																																																																						
	<u>188 500</u>	<b>(1)</b>																																																																					
Current assets																																																																							
Inventory	34 200	<b>(1)</b>																																																																					
Trade and other receivables	6 300																																																																						
Bank	25 800	<b>(1)</b>																																																																					
	<u>66 300</u>																																																																						
Total Assets	<u>254 800</u>																																																																						
Capital and liabilities																																																																							
Capital accounts																																																																							
Darius	102 650																																																																						
Ewan	73 310																																																																						
Karim	40 640																																																																						
	<u>216 600</u>	<b>(1) OF</b>																																																																					
Non-current liabilities																																																																							
Bank loan (2025)	24 000	<b>(1)</b>																																																																					
Current liabilities																																																																							
Trade and other payables	14 200																																																																						
Total liabilities	<u>38 200</u>																																																																						
Total capital and liabilities	<u>254 800</u>	<b>(1) OF</b>																																																																					

**PUBLISHED**

<b>Question</b>	<b>Answer</b>	<b>Marks</b>
2(c)	<b>Partners:</b> to reward the partners for their investment <b>(1)</b> . <b>Partnership:</b> to encourage further investment in the partnership <b>(1)</b> . <b>Accept other valid responses.</b>	<b>2</b>
2(d)	To discourage partners from taking excess drawings from the partnership <b>(1)</b> which will avoid future cash flow problems <b>(1)</b> . <b>Accept other valid responses.</b>	<b>2</b>

**PUBLISHED**

Question	Answer					Marks																																																						
3(a)	A long-term loan to a company <b>(1)</b> repayable between 2025 and 2026 <b>(1)</b> at a fixed interest rate of 8% per annum <b>(1)</b> .					<b>3</b>																																																						
3(b)	<p style="text-align: center;">R Limited Statement of changes in equity for the year ended 30 September 2022</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 35%;"></th> <th style="width: 15%;">Share capital \$000</th> <th style="width: 15%;">Share premium \$000</th> <th style="width: 15%;">Revaluation reserve \$000</th> <th style="width: 15%;">Retained earnings \$000</th> <th style="width: 10%;">Total \$000</th> </tr> </thead> <tbody> <tr> <td>At 1 October 2021</td> <td style="text-align: right;">1 200</td> <td style="text-align: right;">145</td> <td style="text-align: right;">40</td> <td style="text-align: right;">315</td> <td style="text-align: right;">1 700</td> </tr> <tr> <td>Final dividend / dividend (paid)</td> <td></td> <td></td> <td></td> <td style="text-align: right;">(144) <b>(1)</b></td> <td style="text-align: right;">(144)</td> </tr> <tr> <td>Rights issue</td> <td style="text-align: right;">300 <b>(1)</b></td> <td style="text-align: right;">90 <b>(1)</b></td> <td></td> <td></td> <td style="text-align: right;">390</td> </tr> <tr> <td>Bonus issue</td> <td style="text-align: right;">250 <b>(1)</b></td> <td style="text-align: right;">(235) <b>(1)</b></td> <td></td> <td style="text-align: right;">(15) <b>(1)</b></td> <td style="text-align: right;">-</td> </tr> <tr> <td>Interim dividend / dividend (paid)</td> <td></td> <td></td> <td></td> <td style="text-align: right;">(140) <b>(1) OF</b></td> <td style="text-align: right;">(140)</td> </tr> <tr> <td>Revaluation</td> <td></td> <td></td> <td style="text-align: right;">(5) <b>(1)</b></td> <td></td> <td style="text-align: right;">(5)</td> </tr> <tr> <td>Profit for the year</td> <td></td> <td></td> <td></td> <td style="text-align: right;">87 <b>(1)</b></td> <td style="text-align: right;">87</td> </tr> <tr> <td>At 30 September 2022</td> <td style="text-align: right;">1 750</td> <td style="text-align: center;">-</td> <td style="text-align: right;">35</td> <td style="text-align: right;">103</td> <td style="text-align: right;">1 888 <b>(1) OF for row</b></td> </tr> </tbody> </table>						Share capital \$000	Share premium \$000	Revaluation reserve \$000	Retained earnings \$000	Total \$000	At 1 October 2021	1 200	145	40	315	1 700	Final dividend / dividend (paid)				(144) <b>(1)</b>	(144)	Rights issue	300 <b>(1)</b>	90 <b>(1)</b>			390	Bonus issue	250 <b>(1)</b>	(235) <b>(1)</b>		(15) <b>(1)</b>	-	Interim dividend / dividend (paid)				(140) <b>(1) OF</b>	(140)	Revaluation			(5) <b>(1)</b>		(5)	Profit for the year				87 <b>(1)</b>	87	At 30 September 2022	1 750	-	35	103	1 888 <b>(1) OF for row</b>	<b>10</b>
	Share capital \$000	Share premium \$000	Revaluation reserve \$000	Retained earnings \$000	Total \$000																																																							
At 1 October 2021	1 200	145	40	315	1 700																																																							
Final dividend / dividend (paid)				(144) <b>(1)</b>	(144)																																																							
Rights issue	300 <b>(1)</b>	90 <b>(1)</b>			390																																																							
Bonus issue	250 <b>(1)</b>	(235) <b>(1)</b>		(15) <b>(1)</b>	-																																																							
Interim dividend / dividend (paid)				(140) <b>(1) OF</b>	(140)																																																							
Revaluation			(5) <b>(1)</b>		(5)																																																							
Profit for the year				87 <b>(1)</b>	87																																																							
At 30 September 2022	1 750	-	35	103	1 888 <b>(1) OF for row</b>																																																							

**PUBLISHED**

Question	Answer	Marks
3(c)	A proposed dividend should be shown as a note to the accounts but should not be shown as a liability <b>(1)</b> as at the reporting date it has not been approved by the shareholders and as such there is no certainty that it will be paid <b>(1)</b>  <b>Accept other valid responses.</b>	<b>2</b>

Question	Answer	Marks																																																																			
4(a)	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th rowspan="2">Total \$</th> <th colspan="2">Production departments</th> <th colspan="2">Service departments</th> <th rowspan="2"></th> </tr> <tr> <th>Machining \$</th> <th>Finishing \$</th> <th>Stores \$</th> <th>Maintenance \$</th> </tr> </thead> <tbody> <tr> <td>Allocated overheads</td> <td>803 900</td> <td>288 500</td> <td>515 400</td> <td>–</td> <td>–</td> <td></td> </tr> <tr> <td>Indirect labour</td> <td>459 000</td> <td>106 000</td> <td>52 000</td> <td>70 000</td> <td>231 000</td> <td></td> </tr> <tr> <td>Other indirect costs</td> <td>360 000</td> <td>114 000</td> <td>56 000</td> <td>78 000</td> <td>112 000</td> <td></td> </tr> <tr> <td>Total overheads</td> <td>1 622 900</td> <td>508 500</td> <td>623 400</td> <td>148 000</td> <td>343 000</td> <td></td> </tr> <tr> <td>Reapportion Stores</td> <td></td> <td>111 435</td> <td>31 341</td> <td>(148 000)</td> <td>5 224</td> <td><b>(1) for row</b></td> </tr> <tr> <td></td> <td></td> <td>619 935</td> <td>654 741</td> <td>–</td> <td>348 224</td> <td></td> </tr> <tr> <td>Reapportion Maintenance</td> <td></td> <td>278 579</td> <td>69 645</td> <td></td> <td>(348 224)</td> <td><b>(1) OF for row</b></td> </tr> <tr> <td>Total overheads</td> <td></td> <td>898 514 <b>(1) OF</b></td> <td>724 386 <b>(1) OF</b></td> <td></td> <td>–</td> <td></td> </tr> </tbody> </table>		Total \$	Production departments		Service departments			Machining \$	Finishing \$	Stores \$	Maintenance \$	Allocated overheads	803 900	288 500	515 400	–	–		Indirect labour	459 000	106 000	52 000	70 000	231 000		Other indirect costs	360 000	114 000	56 000	78 000	112 000		Total overheads	1 622 900	508 500	623 400	148 000	343 000		Reapportion Stores		111 435	31 341	(148 000)	5 224	<b>(1) for row</b>			619 935	654 741	–	348 224		Reapportion Maintenance		278 579	69 645		(348 224)	<b>(1) OF for row</b>	Total overheads		898 514 <b>(1) OF</b>	724 386 <b>(1) OF</b>		–		<b>4</b>
	Total \$			Production departments		Service departments																																																															
		Machining \$	Finishing \$	Stores \$	Maintenance \$																																																																
Allocated overheads	803 900	288 500	515 400	–	–																																																																
Indirect labour	459 000	106 000	52 000	70 000	231 000																																																																
Other indirect costs	360 000	114 000	56 000	78 000	112 000																																																																
Total overheads	1 622 900	508 500	623 400	148 000	343 000																																																																
Reapportion Stores		111 435	31 341	(148 000)	5 224	<b>(1) for row</b>																																																															
		619 935	654 741	–	348 224																																																																
Reapportion Maintenance		278 579	69 645		(348 224)	<b>(1) OF for row</b>																																																															
Total overheads		898 514 <b>(1) OF</b>	724 386 <b>(1) OF</b>		–																																																																
4(b)	<p>Machining: <math>\\$898\,514 \text{ (OF)} / 48\,000 = \\$18.72 \text{ (1) OF}</math> per machine hour <b>(1)</b></p> <p>Finishing: <math>\\$724\,386 \text{ (OF)} / 54\,600 = \\$13.27 \text{ (1) OF}</math> per labour hour <b>(1)</b></p>	<b>4</b>																																																																			

Question	Answer	Marks																																											
4(c)	Machining: $\$18.72 \text{ (OF)} \times 49\,200 = \$921\,024 - \$910\,000 = \$11\,024 \text{ (1) OF}$ over absorbed <b>(1) OF</b> Finishing: $\$13.27 \text{ (OF)} \times 51\,800 = \$687\,386 - \$705\,000 = \$17\,614 \text{ (1) OF}$ under absorbed <b>(1) OF</b>	<b>4</b>																																											
4(d)	Actual expenditure was higher than budgeted expenditure <b>(1)</b> Actual output was less than budgeted output <b>(1)</b>	<b>2</b>																																											
4(e)	$\$594\,900 / 66\,100 \text{ hours} = \$9 \text{ per labour hour (1)}$	<b>1</b>																																											
4(f)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 30%;"></th> <th style="width: 10%; text-align: center;">\$</th> <th style="width: 30%;"></th> </tr> </thead> <tbody> <tr> <td>Direct material</td> <td><math>4 \times \\$2.45</math></td> <td style="text-align: right;">9.80</td> <td><b>(1)</b></td> </tr> <tr> <td>Direct labour – machining</td> <td><math>3 \times \\$11.25 \text{ (OF)}</math></td> <td style="text-align: right;">33.75</td> <td rowspan="2"><b>(1) OF both</b></td> </tr> <tr> <td>Direct labour finishing</td> <td><math>4.5 \times \\$9 \text{ (OF)}</math></td> <td style="text-align: right;">40.50</td> </tr> <tr> <td>Overheads – machining</td> <td><math>1.25 \times \\$18.72 \text{ (OF)}</math></td> <td style="text-align: right;">23.40</td> <td><b>(1) OF</b></td> </tr> <tr> <td>Overheads – finishing</td> <td><math>2.5 \times \\$13.27 \text{ (OF)}</math></td> <td style="text-align: right;">33.18</td> <td><b>(1) OF</b></td> </tr> <tr> <td>Total unit cost</td> <td></td> <td style="text-align: right;">140.63</td> <td></td> </tr> <tr> <td>Units</td> <td></td> <td style="text-align: right;">× 50</td> <td></td> </tr> <tr> <td>Total cost</td> <td></td> <td style="text-align: right;">7 031.50</td> <td><b>(1) OF</b></td> </tr> <tr> <td>Profit</td> <td>× 25/75</td> <td style="text-align: right;">2 343.83</td> <td></td> </tr> <tr> <td>Selling price</td> <td></td> <td style="text-align: right;">9 375.33</td> <td><b>(1) OF</b></td> </tr> </tbody> </table>			\$		Direct material	$4 \times \$2.45$	9.80	<b>(1)</b>	Direct labour – machining	$3 \times \$11.25 \text{ (OF)}$	33.75	<b>(1) OF both</b>	Direct labour finishing	$4.5 \times \$9 \text{ (OF)}$	40.50	Overheads – machining	$1.25 \times \$18.72 \text{ (OF)}$	23.40	<b>(1) OF</b>	Overheads – finishing	$2.5 \times \$13.27 \text{ (OF)}$	33.18	<b>(1) OF</b>	Total unit cost		140.63		Units		× 50		Total cost		7 031.50	<b>(1) OF</b>	Profit	× 25/75	2 343.83		Selling price		9 375.33	<b>(1) OF</b>	<b>6</b>
		\$																																											
Direct material	$4 \times \$2.45$	9.80	<b>(1)</b>																																										
Direct labour – machining	$3 \times \$11.25 \text{ (OF)}$	33.75	<b>(1) OF both</b>																																										
Direct labour finishing	$4.5 \times \$9 \text{ (OF)}$	40.50																																											
Overheads – machining	$1.25 \times \$18.72 \text{ (OF)}$	23.40	<b>(1) OF</b>																																										
Overheads – finishing	$2.5 \times \$13.27 \text{ (OF)}$	33.18	<b>(1) OF</b>																																										
Total unit cost		140.63																																											
Units		× 50																																											
Total cost		7 031.50	<b>(1) OF</b>																																										
Profit	× 25/75	2 343.83																																											
Selling price		9 375.33	<b>(1) OF</b>																																										

Question	Answer	Marks																					
4(f)	<p><b>Alternative presentation</b></p> <table border="1" data-bbox="945 248 1330 976"> <tr> <td>\$</td> <td></td> </tr> <tr> <td>490.00</td> <td><b>(1)</b></td> </tr> <tr> <td>1 687.50</td> <td rowspan="2"><b>(1) OF both</b></td> </tr> <tr> <td>2 025.00</td> </tr> <tr> <td>1 170.00</td> <td><b>(1) OF</b></td> </tr> <tr> <td>1 659.00</td> <td><b>(1) OF</b></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>7 031.50</td> <td><b>(1) OF</b></td> </tr> <tr> <td>2 343.83</td> <td></td> </tr> <tr> <td>9 375.33</td> <td><b>(1) OF</b></td> </tr> </table>	\$		490.00	<b>(1)</b>	1 687.50	<b>(1) OF both</b>	2 025.00	1 170.00	<b>(1) OF</b>	1 659.00	<b>(1) OF</b>					7 031.50	<b>(1) OF</b>	2 343.83		9 375.33	<b>(1) OF</b>	
\$																							
490.00	<b>(1)</b>																						
1 687.50	<b>(1) OF both</b>																						
2 025.00																							
1 170.00	<b>(1) OF</b>																						
1 659.00	<b>(1) OF</b>																						
7 031.50	<b>(1) OF</b>																						
2 343.83																							
9 375.33	<b>(1) OF</b>																						
4(g)	<p>If service centres' costs are not included the costs will not be recovered <b>(1)</b> and the selling price will be incorrect <b>(1)</b>.</p> <p><b>Accept other valid responses.</b></p>	<b>2</b>																					

**PUBLISHED**

<b>Question</b>	<b>Answer</b>	<b>Marks</b>
4(h)	<p>A factory-wide absorption rate would be easier to calculate as it would require less detailed analysis <b>(1)</b></p> <p>However, it would be less accurate <b>(1)</b> as some work would require either more direct labour hours or more machine hours <b>(1)</b> than others. As a result, this would lead to under or over absorption of overheads on each job <b>(1)</b>.</p> <p>If overheads are over absorbed, this may lead to a higher selling price <b>(1)</b> which in turn may lead to lower demand <b>(1)</b> and consequently, lower profits <b>(1)</b>.</p> <p>If overheads are under absorbed, this may lead to a lower selling price <b>(1)</b> and consequently failure to cover all production costs <b>(1)</b> resulting in lower profits <b>(1)</b>.</p> <p>Justification: <b>Max 6 marks</b></p> <p>Decision <b>(1)</b></p> <p><b>Accept other valid responses.</b></p>	<b>7</b>