

**OXFORD AQA**

INTERNATIONAL QUALIFICATIONS

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# INTERNATIONAL A-LEVEL **ACCOUNTING**

## **9615/4**

Paper 4 Accounting for analysis and decision making

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Mark scheme

Specimen

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Version: 1.0 Final

Mark schemes are prepared by the Lead Assessment Writer and considered, together with the relevant questions, by a panel of subject teachers. This mark scheme includes any amendments made at the standardisation events which all associates participate in and is the scheme which was used by them in this examination. The standardisation process ensures that the mark scheme covers the students' responses to questions and that every associate understands and applies it in the same correct way. As preparation for standardisation each associate analyses a number of students' scripts. Alternative answers not already covered by the mark scheme are discussed and legislated for. If, after the standardisation process, associates encounter unusual answers which have not been raised they are required to refer these to the Lead Examiner.

It must be stressed that a mark scheme is a working document, in many cases further developed and expanded on the basis of students' reactions to a particular paper. Assumptions about future mark schemes on the basis of one year's document should be avoided; whilst the guiding principles of assessment remain constant, details will change, depending on the content of a particular examination paper.

Further copies of this mark scheme are available from [oxfordaqaexams.org.uk](http://oxfordaqaexams.org.uk).

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## Level of response marking instructions

Level of response mark schemes are broken down into levels, each of which has a descriptor. The descriptor for the level shows the average performance for the level. There are marks in each level.

Before you apply the mark scheme to a student's answer read through the answer and annotate it (as instructed) to show the qualities that are being looked for. You can then apply the mark scheme.

### Step 1 Determine a level

Start at the lowest level of the mark scheme and use it as a ladder to see whether the answer meets the descriptor for that level. The descriptor for the level indicates the different qualities that might be seen in the student's answer for that level. If it meets the lowest level then go to the next one and decide if it meets this level, and so on, until you have a match between the level descriptor and the answer. With practice and familiarity you will find that for better answers you will be able to quickly skip through the lower levels of the mark scheme.

When assigning a level you should look at the overall quality of the answer and not look to pick holes in small and specific parts of the answer where the student has not performed quite as well as the rest. If the answer covers different aspects of different levels of the mark scheme you should use a best fit approach for defining the level and then use the variability of the response to help decide the mark within the level, ie if the response is predominantly level 3 with a small amount of level 4 material it would be placed in level 3 but be awarded a mark near the top of the level because of the level 4 content.

### Step 2 Determine a mark

Once you have assigned a level you need to decide on the mark. The descriptors on how to allocate marks can help with this. The exemplar materials used during standardisation will help. There will be an answer in the standardising materials which will correspond with each level of the mark scheme. This answer will have been awarded a mark by the Lead Examiner. You can compare the student's answer with the example to determine if it is the same standard, better or worse than the example. You can then use this to allocate a mark for the answer based on the Lead Examiner's mark on the example.

You may well need to read back through the answer as you apply the mark scheme to clarify points and assure yourself that the level and the mark are appropriate.

Indicative content in the mark scheme is provided as a guide for examiners. It is not intended to be exhaustive and you must credit other valid points. Students do not have to cover all of the points mentioned in the Indicative content to reach the highest level of the mark scheme.

An answer which contains nothing of relevance to the question must be awarded no marks.

## The own figure rule

### General principle

The own figure rule is designed to ensure that students are only penalised once for a particular error at the point at which that error is made, and suffer no further penalty as consequence of the error. The error could be in an account, a calculation, financial statement, or prose explanation. Where the own figure rule is to be applied in a mark scheme, the symbol **OF** is used.

### Applications

In an account: a student could still achieve a mark for balancing an account with their own figure, rather than the correct figure, if they had made an error in the account (such as the omission of an entry, or the inclusion of an incorrect figure for an otherwise valid entry). However, it should be noted that an own figure would not be awarded for the balance of an account, if the account contained any item which should not have appeared (often referred to as an 'extraneous/alien' item).

In a complex calculation to which several marks are allocated: a student could achieve an own figure mark for the result of a complex calculation, if an error has been made in one of the steps leading to the final result. The complex calculation could be a separate task, or an aspect of a larger requirement (such as workings to provide details for a financial statement).

In a financial statement: a student could still achieve a mark for calculating an own figure for a key subtotal within a financial statement where an error had already occurred in the data making up the subsection (such as the omission of an item, or an incorrect figure for an otherwise valid entry). Again, the own figure for a subtotal would not be given if the subsection included any 'alien' item.

In a prose statement: a student who is explaining or interpreting some financial statements or data that they have prepared but which contains errors, would be credited with an appropriate interpretation of their own figures.

## Workings

A '**W**' next to a figure in the mark schemes means that the figure needs to be calculated by the student to which workings are shown for reference. If the figure the student has given in their answer is wrong and the marks given for that calculation are more than 1 then the marker must refer to the working for that item. The working will show the steps of the calculation to which the marks are attributed and the student should be allocated the marks for the steps they completed correctly.

### Section A

Question	Answer	Total marks
01	<b>D</b> $\frac{\text{Budgeted overheads}}{\text{Budgeted activity}}$	<b>1</b> <b>AO1 = 1</b>

Question	Answer	Total marks
02	<b>B</b> <b>Labour efficiency and material usage</b>	<b>1</b> <b>AO1 = 1</b>

Question	Answer	Total marks
03	<b>D</b> <b>2 years 122 days</b>	<b>1</b> <b>AO1 = 1</b>

Question	Answer	Total marks
04	<b>C</b> <b>The planned unit cost of a product produced in a period of time</b>	<b>1</b> <b>AO1 = 1</b>

Question	Answer	Total marks
05	<b>B</b> <b>The product with the highest contribution per labour hour</b>	<b>1</b> <b>AO1 = 1</b>

Question	Answer	Total marks
06	D Subjectivity	1 AO1 = 1

Question	Answer	Total marks
07	D Ordinary shares	1 AO1 = 1

Question	Answer	Total marks
08	C Sales + closing inventory – opening inventory	1 AO1 = 1

Question	Answer	Total marks
09	C Produced within a regulatory framework	1 AO1 = 1

Question	Answer	Total marks
10	C Indirect and stepped fixed	1 AO1 = 1

Question	Part	Marking guidance	Total marks
11		<p>Calculate the number of units that would have to be produced and sold to achieve a target profit of £21 750.</p> <p><u>Fixed costs + Target profit</u> Contribution per unit</p> <p><u>£147 000 (1) + £21 750 (1)</u> = 75 000 (1) <b>OF</b> £2.25 (2) <b>OF W1</b></p> <p><b>W1 Contribution</b></p> <p>Selling price - Variable costs £11.25 (1) – £9.00 (1) = £2.25 <b>OF</b></p>	<p><b>5</b></p> <p><b>AO1 = 5</b></p>

Question	Part	Marking guidance	Total marks																																																													
12		<p data-bbox="490 272 1809 304">Calculate the net present value for the machine. Show all values rounded to the nearest whole pound.</p> <table border="1" data-bbox="598 336 1671 938"> <thead> <tr> <th data-bbox="598 336 689 451">Year</th> <th data-bbox="689 336 992 451">Net cash flow £</th> <th data-bbox="992 336 1104 451"></th> <th data-bbox="1104 336 1395 451">Discount factor</th> <th data-bbox="1395 336 1671 451">DCF £</th> </tr> </thead> <tbody> <tr> <td data-bbox="598 451 689 520">0</td> <td data-bbox="689 451 992 520">(194 675) (1)</td> <td data-bbox="992 451 1104 520"></td> <td data-bbox="1104 451 1395 520">1.000</td> <td data-bbox="1395 451 1671 520">(194 675) (1)*</td> </tr> <tr> <td data-bbox="598 520 689 588">1</td> <td data-bbox="689 520 992 588">75 000</td> <td data-bbox="992 520 1104 799" rowspan="4">4 (W1)</td> <td data-bbox="1104 520 1395 588">0.893</td> <td data-bbox="1395 520 1671 588">66 975</td> </tr> <tr> <td data-bbox="598 588 689 657">2</td> <td data-bbox="689 588 992 657">78 500</td> <td data-bbox="1104 588 1395 657">0.797</td> <td data-bbox="1395 588 1671 657">62 565</td> </tr> <tr> <td data-bbox="598 657 689 726">3</td> <td data-bbox="689 657 992 726">82 350</td> <td data-bbox="1104 657 1395 726">0.712</td> <td data-bbox="1395 657 1671 726">58 633</td> </tr> <tr> <td data-bbox="598 726 689 794">4</td> <td data-bbox="689 726 992 794">86 585</td> <td data-bbox="1104 726 1395 794">0.636</td> <td data-bbox="1395 726 1671 794">55 068</td> </tr> <tr> <td data-bbox="598 794 689 863">4</td> <td data-bbox="689 794 992 863">34 675 (1)</td> <td data-bbox="992 794 1104 863"></td> <td data-bbox="1104 794 1395 863">0.636</td> <td data-bbox="1395 794 1671 863">22 053</td> </tr> <tr> <td colspan="4" data-bbox="598 863 1395 938"><b>NPV</b></td> <td data-bbox="1395 863 1671 938"><b>70 619 (1) OF</b></td> </tr> </tbody> </table> <p data-bbox="490 975 1581 1007">*1 mark allocated for the correct application of the discount factor for all years</p> <p data-bbox="490 1043 636 1075"><b>Workings:</b></p> <p data-bbox="490 1118 743 1150"><b>W1: Net cash flow</b></p> <table border="1" data-bbox="490 1190 1821 1382"> <thead> <tr> <th data-bbox="490 1190 698 1265"></th> <th data-bbox="698 1190 929 1265">Year 1 £</th> <th data-bbox="929 1190 1160 1265">Year 2 £</th> <th data-bbox="1160 1190 1391 1265">Year 3 £</th> <th data-bbox="1391 1190 1621 1265">Year 4 £</th> <th data-bbox="1621 1190 1821 1265">Marks</th> </tr> </thead> <tbody> <tr> <td data-bbox="490 1265 698 1302"><b>Profit</b></td> <td data-bbox="698 1265 929 1302">35 000</td> <td data-bbox="929 1265 1160 1302">38 500</td> <td data-bbox="1160 1265 1391 1302">42 350</td> <td data-bbox="1391 1265 1621 1302">46 585</td> <td data-bbox="1621 1265 1821 1302"><b>1</b></td> </tr> <tr> <td data-bbox="490 1302 698 1339"><b>Depreciation</b></td> <td data-bbox="698 1302 929 1339">40 000</td> <td data-bbox="929 1302 1160 1339">40 000</td> <td data-bbox="1160 1302 1391 1339">40 000</td> <td data-bbox="1391 1302 1621 1339">40 000</td> <td data-bbox="1621 1302 1821 1339"><b>2 OF (W2)</b></td> </tr> <tr> <td data-bbox="490 1339 698 1382"><b>Cashflows</b></td> <td data-bbox="698 1339 929 1382">75 000</td> <td data-bbox="929 1339 1160 1382">78 500</td> <td data-bbox="1160 1339 1391 1382">82 350</td> <td data-bbox="1391 1339 1621 1382">86 585</td> <td data-bbox="1621 1339 1821 1382"><b>1 OF</b></td> </tr> </tbody> </table> <p data-bbox="490 1422 730 1453"><b>W2: Depreciation</b></p>	Year	Net cash flow £		Discount factor	DCF £	0	(194 675) (1)		1.000	(194 675) (1)*	1	75 000	4 (W1)	0.893	66 975	2	78 500	0.797	62 565	3	82 350	0.712	58 633	4	86 585	0.636	55 068	4	34 675 (1)		0.636	22 053	<b>NPV</b>				<b>70 619 (1) OF</b>		Year 1 £	Year 2 £	Year 3 £	Year 4 £	Marks	<b>Profit</b>	35 000	38 500	42 350	46 585	<b>1</b>	<b>Depreciation</b>	40 000	40 000	40 000	40 000	<b>2 OF (W2)</b>	<b>Cashflows</b>	75 000	78 500	82 350	86 585	<b>1 OF</b>	<p data-bbox="1912 272 1933 304"><b>8</b></p> <p data-bbox="1861 341 1980 373"><b>AO1 = 8</b></p>
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	<p>Depreciation: <math>(£194\,675 - £34\,675) = £160\,000</math> (1) / 4 = £40 000 <b>1 OF</b></p> <p><b>Marker notes:</b></p> <p>Accept reasonable rounding for present values.</p> <p>1 mark for NPV is only awarded if all present values are correctly totalled.</p> <p>The cash flows for year 4 can be combined.</p> <p>1 mark can be awarded for correct calculation of depreciation if not used in calculation of net cash flow.</p>	
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**Section B**

Question	Part	Marking guidance	Total marks																								
13	1	<p>Calculate the following variances.</p> <p><b>Material price variance:</b></p> <p>202 500 <b>(W1)</b> x (£7.25 <b>(W2)</b> – £9.45) = £445 500 <b>(1)</b> Adverse <b>(1)</b></p> <p><b>(W1)</b> 30 000 x 6.75 = 202 500</p> <p><b>(W2)</b> £1 972 000 / (32 000 x 8.5) = £7.25</p> <p>Alternative:</p> <table border="1" data-bbox="730 799 1704 951"> <thead> <tr> <th>Standard</th> <th>Actual</th> <th>Variance</th> </tr> </thead> <tbody> <tr> <td>AQ X SP</td> <td>AQ X AP</td> <td></td> </tr> <tr> <td>202 500 x £7.25</td> <td>202 500 x £9.45</td> <td></td> </tr> <tr> <td>£1 468 125</td> <td>£1 913 625</td> <td>£445 500 <b>(1)</b> A <b>(1)</b></td> </tr> </tbody> </table> <p><b>Material usage variance:</b></p> <p>£7.25 x (255 000 <b>(1)</b> <b>(W1)</b> – 202 500) = £380 625 <b>(1)</b> Favourable <b>(1)</b></p> <p><b>(W1)</b> 30 000 x 8.5 = 255 000</p> <p>Alternative:</p> <table border="1" data-bbox="730 1265 1704 1417"> <thead> <tr> <th>Standard</th> <th>Actual</th> <th>Variance</th> </tr> </thead> <tbody> <tr> <td>SQ X SP</td> <td>AQ X SP</td> <td></td> </tr> <tr> <td>255 000 <b>(1)</b> x £7.25</td> <td>202 500 x £7.25</td> <td></td> </tr> <tr> <td>£1 848 750</td> <td>£1 468 125</td> <td>£380 625 <b>(1)</b> F <b>(1)</b></td> </tr> </tbody> </table>	Standard	Actual	Variance	AQ X SP	AQ X AP		202 500 x £7.25	202 500 x £9.45		£1 468 125	£1 913 625	£445 500 <b>(1)</b> A <b>(1)</b>	Standard	Actual	Variance	SQ X SP	AQ X SP		255 000 <b>(1)</b> x £7.25	202 500 x £7.25		£1 848 750	£1 468 125	£380 625 <b>(1)</b> F <b>(1)</b>	<p><b>10</b></p> <p><b>AO2 = 10</b></p>
Standard	Actual	Variance																									
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**Labour rate variance:**

$$105\ 000 \text{ (W1)} \times (\text{£}14.00 \text{ (W2)} - \text{£}13.00) = \text{£}105\ 000 \text{ (1) Adverse (1)}$$

$$\text{(W1)} \ 30\ 000 \times 3.5 = 105\ 000$$

$$\text{(W2)} \ \text{£}1\ 872\ 000 / (32\ 000 \times 4.5) = \text{£}13.00$$

Alternative:

Standard	Actual	Variance
AH X SR	AH X AR	
105 000 x £13	105 000 x £14	
£1 365 000	£1 470 000	£105 000 (1) A (1)

**Labour efficiency variance:**

$$\text{£}13.00 \times (135\ 000 \text{ (1) (W1)} - 105\ 000) = \text{£}390\ 000 \text{ (1) Favourable (1)}$$

$$\text{(W1)} \ 30\ 000 \times 4.5 = 135\ 000$$

Alternative:

Standard	Actual	Variance
SH X SR	AH X SR	
135 000 (1) x £13	105 000 x £13	
£1 755 000	£1 365 000	£390 000 (1) F (1)

**Marker notes:**

For material price and labour rate, the variance must be adverse to be awarded the **1 mark** and attached to a figure and workings shown.

For material usage and labour efficiency, the variance must be favourable to be awarded the **1 mark** and attached to a figure and workings shown.

Accept reasonable alternative or abbreviated labels for variances instead of adverse or favourable.

Question	Part	Marking guidance	Total marks																			
13	2	<p>Prepare a reconciliation of budgeted cost to actual cost.</p> <table border="1" data-bbox="748 395 1704 662"> <thead> <tr> <th></th> <th>£</th> <th></th> </tr> </thead> <tbody> <tr> <td><b>Budgeted cost</b></td> <td>3 603 750</td> <td><b>2OF W1</b></td> </tr> <tr> <td>Material price variance</td> <td>445 500</td> <td rowspan="2"><b>1OF both</b></td> </tr> <tr> <td>Material usage variance</td> <td>(380 625)</td> </tr> <tr> <td>Labour rate variance</td> <td>105 000</td> <td rowspan="2"><b>1OF both</b></td> </tr> <tr> <td>Labour efficiency variance</td> <td>(390 000)</td> </tr> <tr> <td><b>Actual cost</b></td> <td>3 383 625</td> <td><b>1 W2</b></td> </tr> </tbody> </table> <p><b>Workings:</b></p> <p><b>W1</b> Budgeted cost: (£1 848 750 <b>(1)OF</b> + £1 755 000 <b>(1)OF</b>) = £3 603 750 <b>OF</b></p> <p><b>W2</b> Actual cost: (£1 470 000 + £1 913 625) = £3 383 625 <b>(1)</b></p> <p><b>Marker notes:</b></p> <p>The direction of the variances must be clearly shown (added or deducted). It is NOT sufficient to just show favourable or adverse unless the budgeted and actual costs are the correct figures.</p>		£		<b>Budgeted cost</b>	3 603 750	<b>2OF W1</b>	Material price variance	445 500	<b>1OF both</b>	Material usage variance	(380 625)	Labour rate variance	105 000	<b>1OF both</b>	Labour efficiency variance	(390 000)	<b>Actual cost</b>	3 383 625	<b>1 W2</b>	<p><b>5</b></p> <p><b>AO2 = 5</b></p>
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Question	Part	Marking guidance	Total marks																																													
<b>14</b>	<b>1</b>	<p data-bbox="508 325 1727 389">Prepare statements to show revenue, contribution and profit or loss per week for each type of product, X and Y.</p> <table border="1" data-bbox="636 424 1688 1075" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th style="text-align: center;">X</th> <th></th> <th style="text-align: center;">Y</th> <th></th> </tr> <tr> <th></th> <th style="text-align: center;">£</th> <th></th> <th style="text-align: center;">£</th> <th></th> </tr> </thead> <tbody> <tr> <td>Revenue</td> <td style="text-align: right;">137 250</td> <td style="text-align: center;"><b>2 W3</b></td> <td style="text-align: right;">140 400</td> <td style="text-align: center;"><b>2 W3</b></td> </tr> <tr> <td>Materials</td> <td style="text-align: right;">(33 750)</td> <td></td> <td style="text-align: right;">(22 750)</td> <td></td> </tr> <tr> <td>Labour</td> <td style="text-align: right;">(42 500)</td> <td></td> <td style="text-align: right;">(55 250)</td> <td></td> </tr> <tr> <td>Contribution</td> <td style="text-align: right;">61 000</td> <td></td> <td style="text-align: right;">62 400</td> <td style="text-align: center;"><b>1*OF</b></td> </tr> <tr> <td>Machinery preparation</td> <td style="text-align: right;">(28 800)</td> <td style="text-align: center;"><b>2 W1</b></td> <td style="text-align: right;">(15 360)</td> <td style="text-align: center;"><b>2 W1</b></td> </tr> <tr> <td>Quality control procedures</td> <td style="text-align: right;">(37 950)</td> <td style="text-align: center;"><b>2 W2</b></td> <td style="text-align: right;">(30 360)</td> <td style="text-align: center;"><b>2 W2</b></td> </tr> <tr> <td>Profit or loss</td> <td style="text-align: right;">(5 750)</td> <td></td> <td style="text-align: right;">16 680</td> <td style="text-align: center;"><b>1*OF</b></td> </tr> </tbody> </table> <p data-bbox="508 1110 913 1145"><b>(W1) Machinery preparation:</b></p> <p data-bbox="508 1147 898 1177">Number of batches per week:</p> <p data-bbox="508 1179 1120 1209">X: <math>4\,500/50 = 90</math>                      Y: <math>3\,600/75 = 48</math></p> <p data-bbox="508 1211 907 1241">Total batches = <math>90 + 48 = 138</math></p> <p data-bbox="508 1276 1025 1307">X: <math>(£44\,160/138) \times 90</math> <b>(1)</b> = £28 800 <b>(1)</b></p> <p data-bbox="508 1308 1025 1339">Y: <math>(£44\,160/138) \times 48</math> <b>(1)</b> = £15 360 <b>(1)</b></p>		X		Y			£		£		Revenue	137 250	<b>2 W3</b>	140 400	<b>2 W3</b>	Materials	(33 750)		(22 750)		Labour	(42 500)		(55 250)		Contribution	61 000		62 400	<b>1*OF</b>	Machinery preparation	(28 800)	<b>2 W1</b>	(15 360)	<b>2 W1</b>	Quality control procedures	(37 950)	<b>2 W2</b>	(30 360)	<b>2 W2</b>	Profit or loss	(5 750)		16 680	<b>1*OF</b>	<p data-bbox="1899 325 1935 355"><b>14</b></p> <p data-bbox="1850 395 1984 426"><b>AO2 = 14</b></p>
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		<p><b>(W2) Quality control procedures:</b>          Number of inspections per week:          X: <math>4\,500/300 = 15</math>      Y: <math>3\,600/300 = 12</math>          Total batches = <math>15 + 12 = 27</math></p> <p>X: <math>(£68\,310/27) \times 15</math> <b>(1)</b> = £37 950 <b>(1)</b>          Y: <math>(£68\,310/27) \times 12</math> <b>(1)</b> = £30 360 <b>(1)</b></p> <p><b>(W3) Revenue:</b>          X: <math>£33\,750 + £42\,500 = £76\,250</math> <b>(1)</b> <math>\times 1.8 = £137\,250</math> <b>(1)</b> <b>OF</b>          Y: <math>£22\,750 + £55\,250 = £78\,000</math> <b>(1)</b> <math>\times 1.8 = £140\,400</math> <b>(1)</b> <b>OF</b></p> <p><b>* Award 1 mark for both figures</b></p> <p><b>Marker note:</b>          A mark for revenue, contribution and profit or loss will only be awarded if they are labelled correctly.</p>	
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Question	Part	Marking guidance	Total marks												
14	2	<p data-bbox="349 349 1235 416">Advise the directors of Ekin plc whether they should change back to absorption costing.</p> <table border="1" data-bbox="349 450 1291 1514"> <thead> <tr> <th data-bbox="357 461 448 510">Level</th> <th data-bbox="448 461 564 510">Marks</th> <th data-bbox="564 461 1283 510">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="357 510 448 846">3</td> <td data-bbox="448 510 564 846">5 - 6</td> <td data-bbox="564 510 1283 846"> <ul data-bbox="624 533 1275 801" style="list-style-type: none"> <li>Relevant knowledge and understanding of principles, concepts and techniques has been applied to the context clearly and appropriately.</li> <li>A clear and balanced analysis of data is provided. The judgement/ recommendation is supported by evidence.</li> </ul> </td> </tr> <tr> <td data-bbox="357 846 448 1211">2</td> <td data-bbox="448 846 564 1211">3 - 4</td> <td data-bbox="564 846 1283 1211"> <ul data-bbox="624 869 1275 1167" style="list-style-type: none"> <li>Relevant knowledge and understanding of principles, concepts and techniques has been applied to the context, but not always clearly and/or appropriately.</li> <li>A clear but unbalanced OR a balanced but unclear analysis of data is provided. The judgement/ recommendation is partially supported by evidence.</li> </ul> </td> </tr> <tr> <td data-bbox="357 1211 448 1514">1</td> <td data-bbox="448 1211 564 1514">1 - 2</td> <td data-bbox="564 1211 1283 1514"> <ul data-bbox="624 1234 1254 1469" style="list-style-type: none"> <li>Limited application of knowledge and understanding of principles, concepts and techniques to the context.</li> <li>A limited analysis of discrete points of accounting data is provided. There is limited support for the judgement/ recommendation.</li> </ul> </td> </tr> </tbody> </table> <p data-bbox="349 1547 660 1581"><b>Answers may include:</b></p> <p data-bbox="349 1615 1230 1682"><b>Benefits of staying with ABC (drawbacks of converting back to absorption):</b></p> <p data-bbox="349 1715 1302 1783">Loss-making product has been identified (X making a loss of £5 750 OF). Corrective action could be taken to improve product profitability.</p> <p data-bbox="349 1816 1038 1850">Business is still making a profit overall (£10 930 OF).</p> <p data-bbox="349 1883 1331 1951">Areas of waste or inefficiency can be better identified (relating to machinery preparation and quality control procedures).</p> <p data-bbox="349 1984 1238 2074">Fixed costs are assigned to product based on usage (per batch) and not an arbitrary allocation. But: cost drivers and cost pools are expensive to set up and maintain.</p>	Level	Marks	Description	3	5 - 6	<ul data-bbox="624 533 1275 801" style="list-style-type: none"> <li>Relevant knowledge and understanding of principles, concepts and techniques has been applied to the context clearly and appropriately.</li> <li>A clear and balanced analysis of data is provided. The judgement/ recommendation is supported by evidence.</li> </ul>	2	3 - 4	<ul data-bbox="624 869 1275 1167" style="list-style-type: none"> <li>Relevant knowledge and understanding of principles, concepts and techniques has been applied to the context, but not always clearly and/or appropriately.</li> <li>A clear but unbalanced OR a balanced but unclear analysis of data is provided. The judgement/ recommendation is partially supported by evidence.</li> </ul>	1	1 - 2	<ul data-bbox="624 1234 1254 1469" style="list-style-type: none"> <li>Limited application of knowledge and understanding of principles, concepts and techniques to the context.</li> <li>A limited analysis of discrete points of accounting data is provided. There is limited support for the judgement/ recommendation.</li> </ul>	<p data-bbox="1398 349 1422 383">6</p> <p data-bbox="1350 416 1469 450">AO2 = 2</p> <p data-bbox="1350 483 1469 517">AO3 = 4</p>
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	<b>Marker notes:</b> <ul style="list-style-type: none"><li>• Not all content needs to be covered to gain full marks.</li><li>• The indicative content is not exhaustive other credit worthy material should be awarded marks as appropriate.</li></ul>	
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Question	Part	Marking guidance	Total marks																																																						
15	1	<p data-bbox="517 272 1301 304">Prepare a cash budget for Webster for the month of January.</p> <table border="1" data-bbox="871 336 1715 1394"> <thead> <tr> <th></th> <th style="text-align: center;">£</th> <th></th> </tr> </thead> <tbody> <tr> <td colspan="3"><b>Receipts:</b></td> </tr> <tr> <td>Cash sales</td> <td style="text-align: right;">14 550</td> <td><b>2OF W1</b></td> </tr> <tr> <td>Credit customers -1 month</td> <td style="text-align: right;">33 000</td> <td><b>1 W2</b></td> </tr> <tr> <td>Credit customers -2 months</td> <td style="text-align: right;"><u>7 200</u></td> <td><b>1 W3</b></td> </tr> <tr> <td>Total receipts</td> <td style="text-align: right;">54 750</td> <td></td> </tr> <tr> <td colspan="3"><b>Payments:</b></td> </tr> <tr> <td>Cash purchases</td> <td style="text-align: right;">18 000</td> <td><b>1 W4</b></td> </tr> <tr> <td>Credit suppliers</td> <td style="text-align: right;">15 000</td> <td><b>1 W5</b></td> </tr> <tr> <td>Wages</td> <td style="text-align: right;">6 150</td> <td><b>1 W6</b></td> </tr> <tr> <td>Loan</td> <td style="text-align: right;">750</td> <td><b>1 W7</b></td> </tr> <tr> <td>Loan interest</td> <td style="text-align: right;">75</td> <td><b>1 W8</b></td> </tr> <tr> <td>Expenses</td> <td style="text-align: right;">14 200</td> <td><b>2OF W9</b></td> </tr> <tr> <td>Drawings</td> <td style="text-align: right;"><u>4 800</u></td> <td><b>1 W10</b></td> </tr> <tr> <td>Total payments</td> <td style="text-align: right;">58 975</td> <td></td> </tr> <tr> <td>Opening balance</td> <td style="text-align: right;">1 250</td> <td></td> </tr> <tr> <td>Net cash in/out flow</td> <td style="text-align: right;">(4225)</td> <td><b>1OF</b></td> </tr> <tr> <td>Closing balance</td> <td style="text-align: right;">(2 975)</td> <td><b>1OF</b></td> </tr> </tbody> </table> <p data-bbox="611 1430 1308 1461"><b>W1:</b> (£60 000 x 25% (1)) x 97% (1) = £14 550 (OF)</p>		£		<b>Receipts:</b>			Cash sales	14 550	<b>2OF W1</b>	Credit customers -1 month	33 000	<b>1 W2</b>	Credit customers -2 months	<u>7 200</u>	<b>1 W3</b>	Total receipts	54 750		<b>Payments:</b>			Cash purchases	18 000	<b>1 W4</b>	Credit suppliers	15 000	<b>1 W5</b>	Wages	6 150	<b>1 W6</b>	Loan	750	<b>1 W7</b>	Loan interest	75	<b>1 W8</b>	Expenses	14 200	<b>2OF W9</b>	Drawings	<u>4 800</u>	<b>1 W10</b>	Total payments	58 975		Opening balance	1 250		Net cash in/out flow	(4225)	<b>1OF</b>	Closing balance	(2 975)	<b>1OF</b>	<p data-bbox="1899 272 1935 304">14</p> <p data-bbox="1850 341 1980 373"><b>AO2 = 14</b></p>
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		<p> <b>W2:</b> £55 000 x 60% = £33 000 (1)  <b>W3:</b> £48 000 x 15% = £7 200 (1)  <b>W4:</b> £36 000 x 50% = £18 000 (1)  <b>W5:</b> £30 000 x 50% = £15 000 (1)  <b>W6:</b> £6 000 x 1.025 = £6 150 (1)  <b>W7:</b> £45 000/60 = £750 (1)  <b>W8:</b> (£18 000 x 5%) x 1/12 = £75 (1)  <b>W9:</b> £48 000 x 20% x 1/12 = £800  £15 000 (1) – £800 (1) = £14 200 (OF)  <b>W10:</b> £60 000 x 8% = £4 800 (1) </p> <p> <b>Marker note:</b>  OF for net cash in/outflow will only be awarded if there are no extraneous items in the cash budget. </p>	
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Question	Part	Marking guidance	Total marks												
15	2	<p>The cash balance for Webster has been declining in recent months. Webster is considering whether to delay paying his suppliers to improve cash flow.</p> <p>Assess whether this would be the most appropriate way to improve the cash flow of Webster's business.</p> <table border="1" data-bbox="397 622 1310 1727"> <thead> <tr> <th data-bbox="400 622 504 685">Level</th> <th data-bbox="504 622 619 685">Marks</th> <th data-bbox="619 622 1307 685">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="400 685 504 1021">3</td> <td data-bbox="504 685 619 1021">5 - 6</td> <td data-bbox="619 685 1307 1021"> <ul style="list-style-type: none"> <li>Relevant knowledge and understanding of principles, concepts and techniques has been applied to the context clearly and appropriately.</li> <li>A clear and balanced analysis of data is provided. The judgement/ recommendation is supported by evidence.</li> </ul> </td> </tr> <tr> <td data-bbox="400 1021 504 1391">2</td> <td data-bbox="504 1021 619 1391">3 - 4</td> <td data-bbox="619 1021 1307 1391"> <ul style="list-style-type: none"> <li>Relevant knowledge and understanding of principles, concepts and techniques has been applied to the context, but not always clearly and/or appropriately.</li> <li>A clear but unbalanced OR a balanced but unclear analysis of data is provided. The judgement/ recommendation is partially supported by evidence.</li> </ul> </td> </tr> <tr> <td data-bbox="400 1391 504 1727">1</td> <td data-bbox="504 1391 619 1727">1 - 2</td> <td data-bbox="619 1391 1307 1727"> <ul style="list-style-type: none"> <li>Limited application of knowledge and understanding of principles, concepts and techniques to the context.</li> <li>A limited analysis of discrete points of accounting data is provided. There is limited support for the judgement/ recommendation.</li> </ul> </td> </tr> </tbody> </table> <p><b>Answers may include:</b></p> <p><b>Delaying paying suppliers:</b> No cash discount would be lost by paying for all purchases on a credit basis (no prompt payment discount appears to exist).</p> <p>Suppliers may be dissatisfied about delaying paying for all purchases and so may stop supply or charge interest for late payment beyond credit period (eg 30-day term). Could impact on reputation and ability to find alternative suppliers.</p>	Level	Marks	Description	3	5 - 6	<ul style="list-style-type: none"> <li>Relevant knowledge and understanding of principles, concepts and techniques has been applied to the context clearly and appropriately.</li> <li>A clear and balanced analysis of data is provided. The judgement/ recommendation is supported by evidence.</li> </ul>	2	3 - 4	<ul style="list-style-type: none"> <li>Relevant knowledge and understanding of principles, concepts and techniques has been applied to the context, but not always clearly and/or appropriately.</li> <li>A clear but unbalanced OR a balanced but unclear analysis of data is provided. The judgement/ recommendation is partially supported by evidence.</li> </ul>	1	1 - 2	<ul style="list-style-type: none"> <li>Limited application of knowledge and understanding of principles, concepts and techniques to the context.</li> <li>A limited analysis of discrete points of accounting data is provided. There is limited support for the judgement/ recommendation.</li> </ul>	<p>6</p> <p><b>AO2 = 2</b></p> <p><b>AO3 = 4</b></p>
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		<p><b>Alternative ways to improve cash flow:</b></p> <p>Try and get more customers to pay on cash terms – 75% are on credit currently. However, more cash inflows would be lost via the 3% discount for prompt payment.</p> <p>Not pay the 2.5% wage increase but this may lead to employee dissatisfaction.</p> <p>Owner take less cash drawings than the current 8% of sales.</p> <p>Business could review other expenses to see if any could be cut to reduce cash outflows.</p>	
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**Section C**

Question	Part	Marking guidance			Total marks												
16		Assess whether the directors should purchase the robotic machinery. Consider <b>both</b> financial and non-financial factors.			12												
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			<p style="text-align: center;"><b>0</b></p>	<p>Nothing written worthy of credit.</p> <p><b>Answers may include:</b></p> <p><b>AO2 – Application</b></p> <p>Payback of 3 years and 1 month is early in the 10-year operational life. Payback does not consider cash flows after the payback period. Cashflow after the payback period of 6 years and 11 months at £2 830 000 per year is expected to be £19 574 167. Payback does not consider the time value of money.</p> <p><b>AO3 – Analysis and evaluation</b></p> <p><b>Financial</b></p> <p>Cashflow after payback of £19 574 167 can be used for other purposes, such as reinvestment into the business.</p> <p>The potential improvement in profits will be attractive to existing/new shareholders.</p> <p>The redundancy cost of £876 000 is high which will have a negative effect on the cash flow at the start of the project. How will the project be financed?</p> <p>Will there be any staff training costs?</p> <p>How reliable are the figures provided? Is it realistic that the machinery could be sold for £2 000 000? Changes in technology over this time period may make the machinery obsolete.</p> <p><b>Non- financial</b></p> <p>Redundancy will affect the morale of the remaining staff who may fear for their jobs meaning they may start looking for other jobs. The low morale could negatively impact productivity and reputation of RH Wheels Ltd in the community which could reduce profitability.</p> <p>There will be a loss of skilled staff in the company.</p> <p>Existing staff may need to be trained, which will take time, existing staff may not want to be retrained.</p>	

		<p>If the machinery were to break down then production will stop whilst repairs take place, which could reduce output and profitability.</p> <p>Changing the method of production may impact on customers e.g. they may value the fact that production is labour intensive (hand-made) and may not want automated production - this could reduce sales and impact accuracy of forecasts.</p> <p><b>Marker note:</b> The indicative content is not exhaustive: other creditworthy material should be awarded marks as appropriate.</p>	
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