## Accounting

Advanced GCE

## Mark Scheme for January 2013

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This mark scheme is published as an aid to teachers and students, to indicate the requirements of the examination. It shows the basis on which marks were awarded by examiners. It does not indicate the details of the discussions which took place at an examiners' meeting before marking commenced.

All examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes should be read in conjunction with the published question papers and the report on the examination.

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## Annotations

| Annotation | Meaning |
| :---: | :--- |
| 2 | Unclear |
| 2 | Benefit of doubt |
| 2 | Cross |
| Rid | Own figure rule |
|  | Repeat |
|  | Noted but no credit given |
|  | Tick |

## Subject-specific Marking Instructions

Every working box - whether they contain working or not - must be stamped as "seen".

## Quality of Written Communication

The rubric states:

* In these two questions/sub questions, you will be assessed on the quality of your written communication. In one of these questions, the focus will be on your ability to present numerical information legibly and in an appropriate accounting format. In the other, you will be assessed on the legibility and style of writing, the clarity and coherence of your arguments and the accuracy of your spelling, punctuation and grammar.


## Levels of Response for Numerical Questions

| Level | Mark | Description |
| :---: | :---: | :--- |
| 3 | 3 | All account headings, terms and balances are included appropriately and in line with accounting conventions. <br> All figures are legible with effective use made of columns and sub-totals. All accounts are ruled off as <br> appropriate. |
| 2 | 2 | Almost all account headings, terms and balances are included appropriately and in line with accounting <br> conventions. Figures are legible with effective use made of columns and sub-totals. Accounts are ruled off as <br> appropriate. |
| 1 | 1 | Some account headings, terms and balances are included though not always adhered to accounting <br> conventions. Most figures are legible. Some appropriate use is made of columns and sub-totals. Some accounts <br> are ruled off as appropriate. |
| - | 0 | Responses which fail to achieve the standard required for Level 1. |

Levels of Response for Narrative Questions

| Level | Mark | Description |
| :---: | :---: | :--- |
| 2 | 2 | ldeas, some complex, are expressed clearly and quite fluently, using an appropriate style of writing. Arguments <br> made are generally relevant and are constructed in a logical and coherent manner. There are few errors of <br> spelling, punctuation and grammar, and those that are made are not intrusive and do not obscure meaning. |
| 1 | 1 | Relatively straightforward or simple ideas are expressed in a generally appropriate style of writing which <br> sometimes lacks clarity or fluency. Arguments have some limited coherence and structure occasionally showing <br> relevance to the main focus of the questions. There are errors of spelling, punctuation and grammar which are <br> noticeable and sometimes intrusive but do not totally obscure meaning. |
| - | 0 | Responses which fail to achieve the standard required for Level 1. |


| Question |  | Answer | Marks | Guidance |
| :---: | :---: | :---: | :---: | :---: |
| 1 (a) | (i) |  | 4 | Allow 180,000 FC deducted from $A$ and $B(1)$ 195,000(4) |
|  | (ii) | $\text { Break-even } \begin{aligned} \frac{180,000}{20} & =9,000 \text { units(1) } \\ \times 80 & =£ 720,000(\mathbf{1}) \end{aligned}$ | 2 |  |
| (b) |  |  | 3 | 648,000(1) |



| Question |  | Answer | Marks | Guidance |
| :---: | :---: | :---: | :---: | :---: |
|  | (ii) | It provides an assessment of risk(1) by indicating the extent to which expected output can fall(1), before a loss is made(1). It shows the ability to withstand adverse trading conditions(1). The greater the margin of safety(1), the greater are profits(1) and the safer(1) is the company's position. <br> (6 x 1 mark) | 6 |  |
| (e)* |  | Total sales unlikely to be linear(1). Likely that different prices will be charged to different customers(1). A high volume customer is likely to pay less than a low volume customer(1). <br> Total costs are unlikely to be linear(1). Variable costs are likely to fall(1) as quantity increases(1). <br> Fixed costs are likely to be in stepped movements(1) when output(1) exceeds a certain level(1). <br> It is difficult(1) to split some costs into fixed and variable(1). Some costs may include both fixed and variable costs(1). <br> Most businesses make more than one product(1) and although multi product graphs can be prepared(1), they are only reliable for a specific sales mix(1). <br> Data is estimated(1) and may not materialise(1), this will change break-even value(1). <br> (3 $\times 3$ marks) <br> (1 for point plus up to 2 for development) <br> QWC | 9 |  |
|  |  | Total | 38 |  |




| Question |  |  | Answer |  |  | Marks | Guidance |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3 | (a) | (i) |  $\underline{\text { Product } 63}$ <br> Net profit 20,000 <br> Depreciation $\underline{\underline{15,000}(\mathbf{1 )}}$ <br> Cash flow $\underline{\underline{35,000}} \mathbf{( 1 )}$ <br> excludes residuals  | $\begin{aligned} & \text { Product } 64 \\ & \hline 40,000 \\ & 30,000(1) \\ & \hline \underline{70,000}(1) \end{aligned}$ |  | 4 |  |
|  |  | (ii) | Payback <br> Product 63 $1 \mathrm{yr}+\frac{30}{35}=1.86 \mathrm{yrs}(\mathbf{2})$ | $\frac{\text { Product } 64}{2 \text { yrs }+\frac{20}{70}}$ |  | 4 |  |
|  |  | (iii) |  | Disc factor <br> 0.909 <br> 0.826 <br> 0.751 <br> 0.683 <br> 0.683 <br>  <br>  <br>  <br>  <br>  <br> 0.909 <br> 0.826 <br> 0.751 <br> 0.683 <br> 0.621 <br> 0.621 | Present value <br> $31,815(1)$ <br> 28,910 <br> 26,285 <br> $23,905(1)$ <br> $3,415(1)$ <br> 114,330 <br> $65,000(1)$ <br> $49,330(1)$ <br>  <br> Present value <br> $63,630(1)$ <br> 57,820 <br> 52,570 <br> 47,810 <br> $43,470(1)$ <br> $6,210(1)$ <br> 271,510 <br> $160,000(1)$ <br> $\underline{111,510(1)}$ | 10 | $27,320(2)$ 49,680(2) |


| Ques | Answer | Marks | Guidance |
| :---: | :---: | :---: | :---: |
| (b) | No account(1) is taken that earnings may accrue(1) after the payback period(1) and we are not considering the full period(1). <br> No account(1) is taken of timing(1). Cash flows in the future(1) will not be of the same value as money today(1). <br> Most companies limit investments(1) to a short(1) payback period. This could exclude profitable investments(1), although it may be useful with changing technology(1). <br> (2 x 3 marks) <br> (1 for point plus up to 2 for development) | 6 |  |
|  | Total | 24 |  |



| Ques | Answer | Marks | Guidance |
| :---: | :---: | :---: | :---: |
| (c) | Use of estimated data(1), which could be inaccurate(1), leading to under/over absorption(1). <br> Over absorption, too much overhead charged to production(1), overpriced and uncompetitive(1), fall in demand(1) and subsequent loss of revenue/reduction in profit(1). <br> Under absorption, insufficient overhead charged to production(1), lower price to customers(1), costs not covered(1) and subsequent reduction in profit(1). <br> (3 x 3 marks) <br> (1 for point plus up to 2 for development) | 9 |  |
|  | Total | 35 |  |

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