Cambridge
International
AS\&A Level

## Cambridge Assessment International Education

Cambridge International Advanced Subsidiary and Advanced Level

## BUSINESS

9609/22
Paper 2 Data Response
MARK SCHEME
Maximum Mark: 60

## Published

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| Question | Answer |  |  | Marks |
| :---: | :---: | :---: | :---: | :---: |
| 1 | Occasion Cards (OC) |  |  |  |
| 1(a)(i) | Define the term 'Computer Aided Design'. |  |  | 2 |
|  | Knowledge and Application |  | Marks |  |
|  | A correct definition |  | 2 |  |
|  | A partially correct definition |  | 1 |  |
|  | No creditable content |  | 0 |  |
|  | A correct definition should cover both of the following: <br> - Some idea of 'computer aided', i.e. - A process done by IT/software/computer-programmes/electronically/virtually/technology (allow automated) - do not allow 'computer' on its own as this is a tautology <br> - i.e. some idea of the 'design' element, i.e. - To create, analyse, draw, modify, optimise, 2D/3D models, customise, plan etc. - do not allow 'design' on its own as this is a tautology. |  |  |  |
|  | Exemplar | Marks | Rationale |  |
|  | To use IT to create models | 2 | Both elements simply defined |  |
|  | Where software is used to create designs | 2 | Both elements and 'create designs' is good enough |  |
|  | To design 2D drawings | 1 | 2D gives an idea of 'design' even though the word design has also been used. |  |
|  | Where computers are used to make designs for the business to use | 0 | Neither elements defined |  |


|  |  | Answer |  |  | Marks |
| :---: | :---: | :---: | :---: | :---: | :---: |



| Question | Answer |  |  |  | Marks |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 (b)(ii) | Explain one way in which the information in Table 1 might be useful to a potential investor. |  |  |  | 3 |
|  | Level $\quad$ K | Knowledge and Application |  | Marks |  |
|  | $2 b$ Explanatio <br> informatio <br> APP + APP  | Explanation of the use of the accounting information in Table 1 to a potential investor |  | 3 |  |
|  | 2a Identification <br> APP informatio | Identification of the use of the accounting information in Table 1 to a potential investor |  | 2 |  |
|  | 1 Identificatio <br> $\mathbf{K}$ informatio | Identification of the use of accounting information - no context |  | 1 |  |
|  | 0 No credita | No creditable content |  | 0 |  |
|  | Note: APP can be awarded (for 2 marks) without an explicit $K$ first <br> Answers could include: <br> - Sales and profit margin have gone up - good investment <br> - Liquidity has gone down - increased risk <br> - Non-current liabilities have doubled - increased debt might suggest increased risk |  |  |  |  |
|  | Examples of identifications of a use (K) | Examples of context (APP) | Possib (APPA | lanations |  |
|  | To decide whether to invest or not <br> To judge the success of the business <br> To see if the business is likely to be able to repay an investment <br> To see if the business is profitable | Sales and profit margin have gone up | More <br> sugge <br> will get <br> back q <br> a profit investr | ofit may an investor investment and make heir |  |
|  |  | Liquidity has gone down | OC may pay ba may m compa able to investm | be able to ts which at the uld not be the |  |
|  |  | Non-current liabilities have doubled <br> The current ratio has decreased | Increa mean investr toward debt off more p | may <br> going g that making |  |


| Question | Answer |  |  |  |  | Marks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1(c) | Analyse one advantage and one disadvantage to OC of using the internet to promote the business. |  |  |  |  | 8 |
|  | Level | Knowledge and Application (4 marks) | Marks | Analysis (4 marks) | Marks |  |
|  | 2 | Shows understanding of using the internet to promote the business in context | 3-4 | Good analysis of one advantage AND one disadvantage to OC of using the internet to promote the business in context | 4 |  |
|  |  |  |  | Good analysis of one advantage OR one disadvantage to OC of using the internet to promote the business in context | 3 |  |
|  | 1 | Shows knowledge of the use of the internet to promote a business | 2 | Limited analysis of one advantage AND one disadvantage of using the internet to promote a business | 2 |  |
|  |  | Shows knowledge of the use of the internet in business OR promotion | $1$ | Limited analysis of one advantage OR one disadvantage of using the internet to promote a business | $1$ |  |
|  | Limited a Annotate <br> Take a ver system, c Promotio | alysis in context: Mark - advantages on the le <br> y open approach to 'p eation of cards etc.). $n$ is any activity that | limited and dis motion upports | $04+2=6$ <br> dvantages on the right <br> to allow for use of the websi <br> or encourages a business | (e.g. CAD <br> ctivity. |  |


| Question | Answer |  |  |  | Marks |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1(c) | Advantages <br> - Cheaper - social and viral marketing is a relatively cheap way of promotion a business and has led to good growth for OC <br> - OC has an internet based ordering system, so internet based promotion links in and may increase sales <br> - Customers may link/click from an advert straight to the website allowing quick/impulse purchases <br> Disadvantages <br> - OC may find it difficult to control social and viral promotion <br> - It may not be effective - very difficult to predict trends in fashion/products Fast moving and constantly changing <br> Examples of advantages: |  |  |  |  |
|  | Examples of knowledge (K) | Examples of application/context (APP) | Examples of limited analysis (AN) | Examples of good analysis (ANAN) Must be in context (i.e. APP awarded) |  |
|  | The internet can reach many people | Greater number of potential customers who may buy cards from OC for special occasions | This may lead to increased sales | Increased sales <br> $\rightarrow$ more revenue <br> $\rightarrow$ more profit |  |
|  | Cheaper to promote | OC is a family business with limited capital | Keeps costs down for OC | Lower costs $\rightarrow$ may increase capital for expansion |  |
|  | Can use internet links to send customers to | Using OC's well established social media presence | Increases the number of potential | Increased sales <br> $\rightarrow$ more revenue <br> $\rightarrow$ more profit |  |
|  |  | Can link directly to the CAD software | customers |  |  |
|  | Attracts a younger audience | Greetings cards can be targeted at a younger audience | Leading to less competition for OC | Less competition <br> $\rightarrow$ higher prices <br> $\rightarrow$ more profit margin $\rightarrow$ increased profit |  |


| Question | Answer |  |  |  | Marks |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1(c) | Examples of disadvantages: |  |  |  |  |
|  | Examples of knowledge (K) | Examples of application/context (APP) | Examples of limited analysis (AN) | Examples of good analysis (ANAN) Must be in context (i.e. APP awarded) |  |
|  | The internet may not be targetted | Many wasted views of the promotion by people who have no interest in buying greetings cards | This may lead to increased costs for promotion which is wasted | Increased costs $\rightarrow$ lower profit margin $\rightarrow$ less profit |  |
|  | Open to hackers | OC only sells greeting cards through the internet | Disable OCs ability to make sales | Decreased sales $\rightarrow$ lower profit/increased chance of loss |  |
|  |  | OC does not have much capital as it is family owned | May not be able to afford the costs of good security | More chance of website being offline $\rightarrow$ decreased sales $\rightarrow$ lower profit/increased chance of loss |  |
|  | No control of internet marketing | OC relies on social media and viral marketing | Can create a bad reputation | Decreased sales $\rightarrow$ lower profit/increased chance of loss |  |
|  |  | Greeting card industry requires a good reputation |  |  |  |
|  | Fast moving/dynamic environment | As opposed to the greetings card market which is well established (i.e. Christmas, special occasions etc.) | May need to be updated regularly which may not be the case with traditional promotion | Increased costs $\rightarrow$ lower profit margin $\rightarrow$ less profit |  |


| Question | Answer |  |  |  | Marks |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1(d) | Evaluate the owners' decision to change the legal structure of $O C$ to a public limited company. |  |  |  | 11 |
|  | Knowledge and Application (4 marks) | Marks | Analysis and Evaluation (7 marks) | Marks |  |
|  |  |  | Justified evaluation based on argument(s) in context | 7 |  |
|  |  |  | Developed evaluation based on argument(s) in context | 6 |  |
|  |  |  | An evaluative statement based on argument(s) in context | 5 |  |
|  | Shows understanding of changing from a private limited company to a public limited company | 3-4 | Argument based on the impact(s) of changing the legal structure of $O C$ to a public limited company | 3-4 |  |
|  | Shows knowledge of legal structures | 1-2 | Limited analysis of TWO (or more) impacts of changing legal structure | 2 |  |
|  |  |  | Limited analysis of ONE impact of changing legal structure | 1 |  |
|  | Note: APP marks can be gain mention of the business beca <br> Answers could include: <br> Benefits <br> - OC could access more use more traditional ma <br> - OC has started to see equity this may be reve <br> - Owners may become <br> Drawbacks <br> - OC might lose the fam <br> - OC will need to publish which may give compe <br> - Owners may lose their <br> - Owners will need to sh | o credita <br> d from se this <br> capital keting creased sed <br> ealthy fro <br> atmosp their fina tors an ontrol o re profit | le content <br> e change from Ltd to PLC the context given to the <br> ich may allow OC to expan ethods non current liabilities - by in <br> $m$ selling their shares <br> ere, reducing the workers cial information if they beco dvantage OC | without any ndidates <br> urther and easing the <br> tivation a plc |  |



| Question | Answer | Marks |
| :---: | :---: | :---: |
| 2 | Nearly New (NN) |  |
| 2(a)(i) | Define the term 'inventory'. | 2 |
|  | Knowledge and Application Marks |  |
|  | A correct definition 2 |  |
|  | A partially correct definition $\quad 1$ |  |
|  | No creditable content 0 |  |
|  | A correct definition will cover two of the following bullets: <br> - Stock <br> - Raw materials, work in progress, finished products <br> - Used in, or the result of the production process/operations - to fulfil future demand, to sell <br> - Current asset <br> Note: Inventory is a syllabus term to mean the stock of a business - a definition of inventory in terms of all the assets owned by a business (i.e. to take an inventory) is not rewardable. |  |


| Question | Answer |  |  |  | Marks |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2(a)(ii) | Briefly explain the term 'sole trader'. |  |  |  | 3 |
|  | One mark for each of the following (up to a maximum of two marks): <br> - Unincorporated <br> - Unlimited liability <br> - No continuity <br> - No separate legal identity <br> - Income tax must be paid (not corporation tax) <br> - Owns all of the profit/responsible for all the losses/takes all the risk <br> - Shares cannot be sold <br> - Accounts do not need to be produced/published/made available |  |  | $\begin{aligned} & 1-2 \\ & \text { marks } \end{aligned}$ |  |
|  | One individual or one person (must be a clear idea of a single person) |  |  | 1 mark |  |
|  | Note: the B and C marks are dependent on gaining the A mark |  |  |  |  |
|  | Exemplar | Marks | Rationale |  |  |
|  | Owned by one person who has unlimited liability and takes of the profit for themselves. | 3 | A, B and C |  |  |
|  | A single owner with no shareholders and accounts do not need to be published. | 3 | A, B and C |  |  |
|  | A sole trader has unlimited liability and no continuity. It is owned by one person. | 3 | It does not matter mark comes after C marks | the A e $B$ and |  |
|  | Owned by one person with no shareholders | 2 | $A$ and $B$ |  |  |
|  | A sole trader does not have any shareholders | 0 | No A mark - this as easily apply to partnership. | uld just |  |
|  | A business that has unlimited liability with no shareholders and no continuity. | 0 | No A mark - this as easily apply to partnership. | uld just |  |
|  | The person responsible for finance, decision making etc... | 0 | No understanding owner - this could manager | f one e a |  |



| Question | Answer |  |  | Marks |
| :---: | :---: | :---: | :---: | :---: |
| 2(b)(i) | Common answers |  |  |  |
|  | Answer | Marks | Rationale |  |
|  | 1500 (no working) | 3 | Allow the answer with or without working and \$ or incorrect working |  |
|  | \$2000 + \$1000 = \$3000 | 2 | Working to support that this is the total cost figure |  |
|  | 3000 (no working) | 0 | A wrong answer with no working to know where the answer has come from |  |
|  | $20 \times \$ 50=\$ 1000$ | 1 | Working to support the calculation of variable costs |  |
|  | \$2000 | 0 | A wrong answer with no working to know where the answer has come from |  |
|  | $\begin{aligned} & 50 \% \text { of } \$ 2000=\$ 1000 \\ & 20 \times \$ 50=\$ 1000 \\ & \text { So profit }=\$ 0 \end{aligned}$ | 2 | One error - mark up was calculated on FC not TC OFR |  |
|  | $\$ 2000$ <br> $20=\$ 100$ (FC per computer) $\$ 100+\$ 50(V C)=\$ 150$ <br> (total cost per computer) <br> $50 \%$ of $\$ 150=\$ 75$ (mark up per computer) $\$ 150+\$ 75=\$ 225$ (price per computer) <br> $\$ 225 \times 20=\$ 4500$ (total selling revenue) | 2 | A route to find total revenue but no profit figure - any valid route to find TR correctly without a correct calculation of profit should be awarded 2 marks as long as there is working. |  |
|  | \$4500 (no working) | 0 | A wrong answer with no working to know where the answer has come from |  |


| Question | Answer |  |  |  | Marks |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2(b)(ii) | Explain one advantage to Nathan of using a cost based pricing strategy. |  |  |  | 3 |
|  | Level K | Knowledge and Application |  | Marks |  |
|  | 2 (APPAPP) $\begin{aligned} & \text { Explanatio } \\ & \text { based pric }\end{aligned}$ | Explanation of an advantage of using cost based pricing in context |  | 3 |  |
|  | 2 (APP)Identification <br> based pric | Identification of an advantage of using cost based pricing in context |  | 2 |  |
|  | 1 (K) $\quad$Identification <br> based pri | Identification of an advantage of using cost based pricing |  | 1 |  |
|  | $0 \quad$ No credita | No creditable content |  | 0 |  |
|  | Answers could include: |  |  |  |  |
|  | Examples of identifications of an advantage (K) | Examples of context (APP) | Possible explanations (APPAPP) |  |  |
|  | Quick and simple | Nathan is a computer engineer and may not be experienced in running a business. | Therefore this will save Nathan time. |  |  |
|  |  | Nathan needs to focus on repairing computers not complicated pricing methods. | So Nathan can focus on gaining sales for the business. |  |  |
|  | Always leads to a profit <br> Always covers the full cost of each computer | Each computer has a total cost of $\$ 150$. | So any price higher than this will result in a profit for Nathan. |  |  |
|  | Predictable profit margin | Nathan chose a $50 \%$ mark-up. | So the mark-up should always equal the profit margin. <br> So Nathan can target a certain margin that he will find acceptable. |  |  |


| Question | Answer |  |  |  |  | Marks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2(c) | Analyse two methods Nathan could use to improve NN's cash flow. |  |  |  |  | 8 |
|  | Level | Knowledge and application |  | Analysis |  |  |
|  | 2 | Shows understanding of TWO methods of improving cash flow in context | 4 | Good analysis of TWO methods of improving cash flow in context | 4 |  |
|  |  | Shows understanding of ONE method of improving cash flow in context | 3 | Good analysis of ONE method of improving cash flow in context | 3 |  |
|  | 1 | Shows knowledge of TWO methods of improving cash flow | 2 | Limited analysis of TWO methods of improving cash flow | 2 |  |
|  |  | Shows knowledge of cash flow or ONE method of improving cashflow | 1 | Limited analysis of ONE method of improving cash flow | 1 |  |
|  | 0 |  |  | e content |  |  |
|  | One factor <br> Note: the <br> Answers | analysed in context, max <br> focus of the analysis <br> could include: <br> Could use a cashflow fo Nathan could take a par Could arrange credit fac tailers offer him any cr Nathan currently offers ustomers pay on delive Nathan could take out a eeds extra cash to purchan etting finance ake out a long term sour when he needs it - oppo Keep a low amount of cash ustomers want next day | 3 <br> st <br> (th <br> s ? <br> dit <br> in <br> e <br> of <br> ity <br> tied <br> live | on improving cashflow <br> dentify when Nathan needs is contextual) suppliers- would the large <br> unlikely) he could make sure dvance. <br> source of finance for times ntory - cost of finance, likeli <br> ance to give Nathan access st of using finance, cost of fin in inventory - unlikely to be and a range of computers | cash <br> rical <br> n he d of <br> ash <br> e <br> ular as |  |


| Question | Answer |  |  | Marks |
| :---: | :---: | :---: | :---: | :---: |
| 2(c) | Examples of methods | Examples of application/context | Examples of possible analysis |  |
|  | Arrange credit with suppliers | Nathan is purchasing from large electrical retailers who may be likely to give him credit. <br> Nathan is an established customer of the large electrical businesses and therefore more likely to get credit. <br> Nathan needs the time this credit would give him to repair the computers. | More time to pay $\rightarrow$ sell computers before paying for the stock $\rightarrow$ revenue before costs need to be paid $\rightarrow$ less chance of negative cashflow |  |
|  | Short term source of finance | Nathan is an established business and may get credit. <br> Nathan is a sole trader and may struggle to get a short term source of finance <br> A short term source of finance would allow Nathan to purchase the computers without needing a 'buffer' of cash available - he can add in the cost of finance to the price of the computers (i.e. costs plus). | Allow purchase without needing cash $\rightarrow$ Will not worsen Nathans cashflow position $\rightarrow$ Less chance of negative cashflow <br> Increase costs of NN $\rightarrow$ Increase price of a computer $\rightarrow$ May reduce sales $\rightarrow$ may reduce profits |  |


| Question | Answer |  |  |  | Marks |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2(d) | Recommend which one of the two potential employees Nathan should select. Justify your recommendation. |  |  |  | 11 |
|  | Knowledge and Application (4 marks) | Marks | Analysis and Evaluation (7 marks) | Marks |  |
|  |  |  | A justified recommendation for Nathan on which potential employee he should select based on the given arguments for selecting Katy and Sahdat | 7 |  |
|  |  |  | A developed recommendation for Nathan on which potential employee he should select based on the given arguments for selecting Katy and Sahdat | 6 |  |
|  |  |  | An evaluative statement/recommendation based on the given arguments for selecting Katy and Sahdat | 5 |  |
|  | Shows understanding of selection criteria for Katy and Sahdat | 4 | Argument(s) based on selecting Katy and Sahdat as potential employees for NN | 4 |  |
|  | Shows understanding of selection criteria for Katy or Sahdat | 3 | Argument(s) based on selecting Katy or Sahdat as potential employees for NN | 3 |  |
|  | Shows knowledge of selection | 1-2 | Limited analysis of Katy and Sahdat as potential employees | 2 |  |
|  |  |  | Limited analysis of Katy or Sahdat as potential employees | 1 |  |
|  | Note: APP, AN and ANAN about Katy should be placed in left hand margin and Sahdat in right hand margin <br> Katy <br> - Lower previous salary <br> - Some experience of dealing with electrical retailers (NNs suppliers) <br> - Degree - but is this necessary? <br> - Younger - but is this a benefit and should Nathan make a decision based on age (legal issues?) <br> - Relevant skills and organisation could be useful <br> Sahdat <br> - Higher previous salary - does this mean that he will expect more? <br> - More experience in relevant area <br> - No qualifications, but are they necessary? <br> - Older, but could this be a benefit? <br> - Will his skills of managing employees and communication be any use within NN where he will be the only employee and possibly not customer facing? |  |  |  |  |


| Question |  |  | Answer |  |  | Marks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2(d) | An example of how an answer could develop and how it should be annotated. |  |  |  |  |  |
|  | K | APP | AN | ANAN (one sided) | EVAL |  |
|  | Selection is the ability to choose between potential employees for a position. (K) <br> A business can select employees through interviews, experience, skills etc. (K) | Katy has got some experience working for a large electrical retailer. (APP) | This may help Nathan to negotiate better prices and credit with his suppliers who are the large electrical retailers. (AN) | This is likely to reduce the costs for Nathan of doing business, improve his cashflow and increase his chances of making a profit. (ANAN - Katy) | I would <br> recommend that Nathan chooses Sahdat because better productivity will help Nathan to sell computers quicker and this may help solve his major problem of cashflow. (EVAL - statement) |  |
|  |  | However <br> Sahdat has more experience than Katy in repairing computers but he has been his own boss for the last 10 years. (APP) | More experience may lead to quicker repairs. (AN) <br> However he may not be willing to take instructions from Nathan about what to do. (AN) | Quicker repairs could increase the productivity of NN and mean that he can sell more computers, quicker and gain more profit. (ANAN Sahdat) <br> If Sahdat cannot take orders then Nathan may find him difficult to manage and this may lead to conflict and lower productivity for NN. (ANAN Sahdat) | However it depends upon whether Nathan feels he can manage Sahdat. (EVAL developed) <br> If he can't then this productivity boost is unlikely to happen and Katy might be the better option as she may be easier to manage. (EVAL - justified) |  |
|  | Note: only two ANANs are needed (one for Katy and one for Sahdat) to enable evaluation many candidates will attempt more analysis to give depth to their evaluation. Make sure you are only awarding analysis to the appropriate level - if a candidate has tried to cover lots of different points but only got to limited analysis (AN) each time, then this does not build an argument. Please look out for quality of analysis rather than quantity. |  |  |  |  |  |

