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MARK SCHEME
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Question	Answer						
1	Occasion Cards (OC)						
1(a)(i)	Define the term 'Computer Aided Design	gn'.		2			
	Knowledge and Application Marks						
	A correct definition		2				
	A partially correct definition		1				
	No creditable content		0				
	tautology • i.e. some idea of the 'design' elemodify, optimise, 2D/3D models, 'design' on its own as this is a tai Exemplar	customis					
	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				

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Question	Answer				
1(a)(ii)	Briefly explain the term 'mass customisation'.	3			
	Award one mark for each point of explanation:				
	C Example or some other way of showing good understanding, i.e. can involve the use of IT, low cost solution to making etc.				
	B Understanding of 'mass', i.e. understanding of the use of production lines/flow production/assembly line etc.				
	A Understanding of customisation, i.e. the use of techniques to create differentiated products, unique products, to customer orders etc.				
	 Using production lines to make a variation in products. Using mass production techniques to produce differentiated products. Can add value to a product by adding differences and customisation. Make products unique to each customer but with low cost. Note: the C mark is dependent on gaining both A and B marks first because otherwise a wrong understanding of mass customisation (e.g. mass production) could gain the majority of the marks.				
	Exemplar Marks Rationale				
	Using a production line (B) to make differentiated products (A) often using machinery (C) All three elements				
	Where a business makes products which have are based on the individual customer requirements (A) but have been made on a production line (B). This keeps the cost low for the business (C).				
	Where lots of different types of products (A) are made using flow production (B).				
	Making customised products for the customers which can be low cost. 1 A mark only – do not allow the C mark unless both A and B have been awarded (See Note:)				
	Making lots of products on a production line which keeps the costs of the business low and means that the business can produce lots of products to sell. 1 B mark only – obvious confusion with mass production (See Note:)				

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Question			A	Answer	Marks			
1(b)(i)	Refer to Table 1. Calculate the current ratio for 2016.							
	Mark	Rationale						
	3 marks	Correct calculat etc.) with or with		current ratio (ignore any use of \$, % ect working				
	2 marks			mplied by the use of figures) and correct res (CA and CL)				
	1 mark	Correct formula CL)	or correc	ct identification of both figures (CA and				
	0 marks	No creditable co	ontent					
	Formula:							
	Current ass Current liab							
	Identification	on of correct figu	ıres:					
	Current ass Current liab			3m 4m				
	\$3m \$4m = 0.75:1 or 0.75 or 3/4							
	Common answers							
	Answer		Marks	Rationale				
	\$3m \$4m × 10	00 = 75%	3	Although the candidate has not got the correct answer it can clearly be seen by the working that they would have got the correct answer but have gone one stage too far.				
	75% (no	working)	0	Without working there is no way to know where this figure came from				
	<u>\$4m</u> \$3m = 1.	33	2	Formula is wrong (inverted) but correct identification of figures and then a correct calculation based on their own figures (OFR)				
	1.33 (no	working)	0	Without working there is no way to know where this figure came from				
		iabilities = 4 assets = 3	1	Correct identification of both figures				
	Current a		1	1 mark for formula				

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Question			Answer			Ma		
1(b)(ii)	Explain <u>one</u> way in which the information in Table 1 might be useful to a potential investor.							
	Level	K	Cnowledge and Application	on	Marks			
	2b APP + APP		on of the use of the accour n in Table 1 to a potential		3			
	2a APP		ion of the use of the account in Table 1 to a potential		2			
	1 K		ion of the use of accountin n – no context	g	1			
	0	No credita	able content		0			
	Examples of identification use (K)	ed risk	Examples of context (APP)	Possible ex (APPAPP)				
	To decide wh							
	To judge the the business	success of	Sales and profit margin have gone up	More sales/p suggest that will get their back quicker a profit from investment	an investor investment and make			
	To judge the	success of business able to estment		suggest that will get their back quicker a profit from	an investor investment and make their be able to bts which nat the ould not be			

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Question	Answer							
1(c)	Analyse <u>one</u> advantage and <u>one</u> disadvantage to OC of using the internet to promote the business.							
		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		
			nalysis in context: Marks – advantages on the lef					
	S	ystem, c	reation of cards etc.).		to allow for use of the website or encourages a business a			

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Question	Answer					
1(c)	Advantages Cheaper – social and viral marketing is a relatively cheap way of promotion a business and has led to good growth for OC OC has an internet based ordering system, so internet based promotion links in and may increase sales Customers may link/click from an advert straight to the website allowing quick/impulse purchases Disadvantages OC may find it difficult to control social and viral promotion It may not be effective – very difficult to predict trends in fashion/products Fast moving and constantly changing 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 → more revenue → more profit		
	Cheaper to promote	OC is a family business with limited capital	Keeps costs down for OC	Lower costs -> 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 → more revenue → more profit		
	their website	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 → higher prices → more profit margin increased profit		

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Question	Answer							
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 → lower profit margin → less profit				
	Open to hackers	OC only sells greeting cards through the internet	Disable OCs ability to make sales	Decreased sales → 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 → decreased sales → 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 → 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 → lower profit margin → less profit				

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Question	Answer								
1(d)	Evaluate the owners' decision to change the legal structure of OC to a public limited company.								
	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 OC 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					
	1	No credita	ble content						
	Note: APP marks can be gained from the change from Ltd to PLC without any mention of the business because this is the context given to the candidates Answers could include:								
	use more traditional ma OC has started to see equity this may be reve	arketing m increased ersed	non current liabilities – by inc						
	 Owners may become v Drawbacks 	•	-						
		their fina titors an a							

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Question			Answ	er		Marks
1(d)	K	APP	AN	ANAN	EVAL	
	PLCs can sell shares on the stock market	This opens up a new source of finance for OC (APP)	Which could be used to expand the business (AN)	Which may lead to more sales of greeting cards and profit for OC. (ANAN)	Overall becoming a PLC may be the fastest way for OC to reach its objective of	
	(K)	However anyone could buy the shares because they are now available on the stock market (APP)	Which may lead to a loss of control for the current owners (AN)	Who may limit the amount of shares they want to sell on the stock market and mean that OC does not have much extra capital to fund the expansion (ANAN)	expansion (EVAL – statement) However how many shares the owners make available will depend upon how much they are willing to risk losing control of the business (EVAL – developed) If the expansion can be financed and the owners keep more than 50% of the shares then there is little risk and it is likely to have been a good decision. (EVAL – justified)	

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Question	Answer		Marks			
2	Nearly New (NN)	Nearly New (NN)				
2(a)(i)	Define the term 'inventory'.		2			
	Knowledge and Application Marks					
	A correct definition	2				
	A partially correct definition	1				
	No creditable content	0				
	 A correct definition will cover two of the following bullets: Stock Raw materials, work in progress, finished products Used in, or the result of the production process/operations – to fulfil future demand, to sell Current asset 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.					

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Question		An	swer			Marks		
2(a)(ii)	Briefly explain the term 'sole trader'.							
	C One mark for each of the following (up to a maximum of two marks): Unincorporated Unlimited liability No continuity Income tax must be paid (not corporation tax) Owns all of the profit/responsible for all the losses/takes all the risk Shares cannot be sold Accounts do not need to be produced/published/made available							
		One individual or one person (mu person) The and C marks are depended.	1 mark					
	E	Exemplar	Marks	Rationale				
	ι	Owned by one person who has unlimited liability and takes of the profit for themselves.	3	A, B and C				
	a	A single owner with no shareholders and accounts do not need to be published.	3	A, B and C				
	a	A sole trader has unlimited liability and no continuity. It is owned by one person.	3	It does not matter is mark comes after to C marks				
		Owned by one person with no shareholders	2	A and B				
		A sole trader does not have any shareholders	0	No A mark – this co as easily apply to a partnership.	•			
	\	A business that has unlimited liability with no shareholders and no continuity.	0	No A mark – this coas easily apply to a partnership.	•			
		The person responsible for finance, decision making etc	0	No understanding owner – this could manager				

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Question		,	Answ	er	Marks			
2(b)(i)		ne total profit that Nathar laptop computers.	ı wou	ld make if he sold the whole batch	3			
	Mark	Rationale						
	3 marks	Correct calculation of the correct working	total	profit (no \$ required) with or without				
	2 marks	Correct calculation of tot revenue (with working)	al cos	ts or correct calculation of total				
	1 mark	Correct formula or correct working)	ct cal	culation of total variable costs (with				
	0 marks	No creditable content						
	Formula:	ure in the answer (i.e. To	otal C	ost = 1500 = 3 marks)				
	Calculations:							
	Total variabl	e costs = 20 × £50 repair	=	\$1000				
	Total costs =	= Purchase cost 20 × £50 repair	= =	\$2000 <u>\$1000</u> \$3000				
	50% mark u	р	=	<u>\$1500</u> \$4500				
	Profit		=	<u>\$1500</u>				

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Question	Answer						
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 × \$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				
	50% of \$2000 = \$1000 20 × \$50 = \$1000	2	One error – mark up was calculated on FC not TC OFR				
	\$0 profit = \$0 \$2000 20 = \$100 (FC per computer) \$100 + \$50 (VC) = \$150 (total cost per computer) 50% of \$150 = \$75 (mark up per computer) \$150 + \$75 = \$225 (price per computer) \$225 × 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				

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Question	Answer								
2(b)(ii)	Explain one advantage to Nathan of using a cost based pricing strategy.								
	Level	Level Knowledge and Application Marks							
	2 (APPAPP)		Explanation of an <u>advantage</u> of using cost 3 based pricing in context						
	2 (APP)		Identification of an <u>advantage</u> of using cost 2 based pricing in context						
	1 (K)								
	0	No credita	able content	0					
	Answers could include: Examples of context Possible exp								
	Examples of identifications of an advantage (K) Quick and simple		Examples of context (APP)	Possible explanations (APPAPP)					
			Nathan is a computer engineer and may not be experienced in running a business.	Therefore Nathan tim	this will save				
			Nathan needs to focus on repairing computers not complicated pricing methods.	So Nathan gaining sal business.	can focus on les for the				
	Always leads	to a profit	Each computer has a total cost of \$150.	So any prio					
	Always covers the full cost of each computer		total cost of \$150.	than this will result in a profit for Nathan.					
	Predictable predictable predictable	rofit	Nathan chose a 50% mark-up.		rk-up should ual the profit				
					can target a rgin that he ceptable.				

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Question	Answer								
2(c)	Analyse <u>two</u> methods Nathan could use to improve NN's cash flow.								
	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	0 No creditable content							
	One factor analysed in context, max 3 + 3 Note: the focus of the analysis must be on improving cashflow Answers could include:								
	 Could use a cashflow forecast to identify when Nathan needs extra cash Nathan could take a partner (this is contextual) Could arrange credit facilities with suppliers— would the large electrical retailers offer him any credit? If Nathan currently offers credit (unlikely) he could make sure his customers pay on delivery or in advance. Nathan could take out a short term source of finance for times when he needs extra cash to purchase inventory – cost of finance, likelihood of getting finance Take out a long term source of finance to give Nathan access to cash when he needs it – opportunity cost of using finance, cost of finance 								
	• 1	Keep a low amount of ca	sh tied ι	ost of using finance, cost of finance of the large in inventory — unlikely to be a range of computers					

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

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Question	Answer							
2(d)	Recommend which one of the two potential employees Nathan should select. Justify your recommendation.							
	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							
	 Lower previous salary Some experience of dealing with electrical retailers (NNs suppliers) Degree – but is this necessary? Younger – but is this a benefit and should Nathan make a decision based on age (legal issues?) Relevant skills and organisation could be useful 							
	 More experience in No qualifications, bu Older, but could this Will his skills of man 	relevant a ut are they be a ber naging em	y necessary?	use				

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Question	Answer						
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) A business can select employees through interviews,	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 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)		
	experience, skills etc. (K)	However 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) 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) 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) 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)		
	evaluation mai evaluation. Ma candidate has (AN) each time	ny candidates w ake sure you are tried to cover lo	vill attempt more e only awarding ets of different po	aty and one for Sal analysis to give d analysis to the app oints but only got to	epth to their propriate level – if a		

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