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Paper 2 Data Response

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MARK SCHEME
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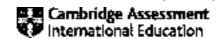
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Question	Answer				
1(a)(i)	Define the term 'industrial market'.		2		
	Knowledge and Application	Marks			
	A correct definition	2			
	A partially correct definition	1			
	No creditable content	0			
	 A correct definition should cover both of the following: An explanation of market(s) – sales, trade etc An explanation of industrial – to another business, used in the production process, purchased to change or resale When a business sells (1) to another business (1) 				
1(a)(ii)	Briefly explain the term 'lead time'.		3		
	Award one mark for each point of explanation:				
	C Example or some other way of showing good understanding	1 mark			
	B To delivery/finishing production	1 mark			
	A Time from ordering/starting production	1 mark			
	Lead time is the time between the start and a finish of a process.				
	Answers could include: Lead time is the length of time it takes for a firm to receive an order (B) after it has been ordered (A). For example if a firm orders stock Tuesday and it arrives on Friday, the lead time is three days (C).				

© UCLES 2017 Page 2 of 10

Question		Answer		Marks		
1(b)(i)	Refer to Table 1. Calculate the profit that JS would make on the supermarket order.					
	Rationale		Marks			
	Correct calcula without correct	ation of the profit (with or without \$ and with or tworking)	3 marks			
		a (can be implied by the use of figures) and tion of two appropriate figures	2 marks			
	Correct formula TC per unit)	a or correct calculation of one figure (TVC, TFC,	1 mark			
	No creditable of	content	0 marks			
	Formula:					
	Total revenue –	total costs				
		s \$1000 total variable costs s \$1500 total fixed costs				
	Total costs = \$2 Total revenue =	2500				
	\$2750 – \$2500	= \$250				
	Profit = \$250					
1(b)(ii)	Explain one possible problem of allocating fixed costs for JS.					
	Level	Knowledge and Application	Marks			
	2b APP+ APP	Explanation of one problem of allocating fixed costs in context	3			
	2a APP	Identification of one problem of allocating fixed costs in context	2			
	1 K	Identification of one problem of allocating fixed costs – no context	1			
	0	No creditable content	0			
	 These costs therefore it costs are different would thes so it may not be allocations. The allocations profital A problem of the costs. 	not change as output changes: s may not be directly attributable to the production p may be difficult to know which administrative and o ue to the supermarket order. e costs be paid even if the supermarket order is no ot be appropriate to allocate them to the supermark ion of these costs may make the supermarket order ble and lead JS to make a poor decision. of allocating fixed costs may be to do with the calcu- of those fixed costs	ther fixed t taken? – If tet order. r appear			

© UCLES 2017 Page 3 of 10

Question			Answe	r		Marks
1(c)	Analyse <u>two</u> advantages to JS of using CAD.					
	Level	Knowledge and Application (4 marks)	Marks	Analysis (4 marks)	Marks	
		Shows understanding	3–4	Good analysis of two advantages of using CAD in context	4	
	2	of using CAD in context		Good analysis of one advantage of using CAD in context	3	
	Shows knowledge of the use of CAD		Limited analysis of two advantages of using CAD	2		
		1–2	Limited analysis of one advantage of using CAD	1		
	Answers Flex cus sen time Acc the Rec Eas It m can Ten CAI	analysis in context: Marks so could include: exibility – allows JS to design tomers to edit designs) with the electronically to custome the from order to production are curacy – CAD may allow the quality of JS's stickers. So duced storage space for design to find previous design are be quicker to produce or reduce costs and produce costs of the produce of the cost of the can be linked with CAM ance for errors.	gn sticker th minima ers for app ne design esigns — e s and rep designs u	s and edit the designs (a al cost implications. Desi proval – this may speed s to be more accurate an can save JS costs. produce past designs/rep using CAD than hand dra	gns can be up the lead and improve prints.	

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Answer					
Evaluate suitable payment methods for the employees at JS.					
Knowledge and Application (4 marks)	Marks	Analysis and Evaluation (7 marks)	Marks		
		Justified evaluation based on arguments in context	7		
		Developed evaluation based on arguments in context	6		
		An evaluative statement based on argument(s) in context	5		
Shows understanding of two (or more) payment methods in context	4	Argument based on the two (or more) payment methods in context	4		
Shows understanding of one payment method in context	3	Argument based on the one payment method in context	3		
Shows knowledge of two (or more) payment methods	2	Limited analysis of two (or more) payment methods	2		
Shows knowledge one payment method	1	Limited analysis of one payment method	1		
	No credi	table content			
 allowance for quality of Salary – may be approprize task based, but again worker for extent is one worker respossible to separate out who work in unfavourabe. Commission – useful for workers likely to have all be required otherwise or Profit sharing – Would the working conditions. 	the sticked oriate for a fill not take not the journativate of the responsible of the responsible working reales storew ould be done of the could be done ould	ers or the differing working condi- administrative jobs/design jobs we into account different working b. workers on the production line be for each sticker or group of stick onsibility? Could be used to rew g conditions and who put in moraff, but to what extent are producto sales. ard effort but an objective syster ivisive. Ser motivation into the bigger pictitis improve reward for effort or	tions. which are ut to what kers? Is it ard those e effort. ction m would ture of differing		
	Shows understanding of two (or more) payment methods in context Shows understanding of one payment method in context Shows knowledge of two (or more) payment methods Shows knowledge one payment methods Shows knowledge one payment methods Shows knowledge one payment method Answers could include: Possible payment methods: Time based – currently allowance for quality of Salary – may be appropatask based, but again we conditions or effort put it Piece rates – useful to rextent is one worker respossible to separate out who work in unfavourabe Commission – useful for workers likely to have at Bonuses – Could be used be required otherwise of Profit sharing – Would the JS's performance but he working conditions. Performance related pa	Knowledge and Application (4 marks) Shows understanding of two (or more) payment methods in context Shows understanding of one payment method in context Shows knowledge of two (or more) payment methods Shows knowledge one payment methods Shows knowledge one payment methods Shows knowledge one payment methods No credi Answers could include: Possible payment methods: Time based – currently being use allowance for quality of the sticke. Salary – may be appropriate for a task based, but again will not tak conditions or effort put into the jo. Piece rates – useful to motivate vextent is one worker responsible possible to separate out the resp who work in unfavourable workin. Commission – useful for sales st workers likely to have any input in Bonuses – Could be used to rew be required otherwise could be desired. Profit sharing – Would tie in work JS's performance but how could working conditions. Performance related pay – Would	No creditable payment methods for the employees at JS.	Shows understanding of two (or more) payment method in context	

© UCLES 2017 Page 5 of 10

Question	Answer					
2(a)(i)	Define the term 'unique selling point (USP)' (line 6).					
		Knowledge and Application	Marks			
	A	correct definition	2			
	А	partially correct definition	1			
	No	creditable content	0			
	 A unique selling point is something that makes a product stand out from the competitors, such as a phone with a new feature that no other phones have. It is a feature that none of the other businesses have and means the product can be sold for a higher price. 					
2(a)(ii)	Briefly explain the term 'internal growth' (line 18).					
	Award one mark for each point of explanation:					
	С	Example or some other way of showing good understanding, e.g. also known as organic growth	1 mark			
	В	An idea of 'growth' – i.e. the increase in size of a business	1 mark			
	A	An idea of 'internal' – i.e. through the reinvestment of profits. Increasing sales/stores/outlets	1 mark			
	Exe	mplar:				
		rnal growth is when a business get larger through the use of resisting is usually a slower way to grown compared to external growth				

© UCLES 2017 Page 6 of 10

Question		Answer		Marks	
2(b)(i)	Refer to Table 2. Calculate the price elasticity of demand if Navpreet changes her price from \$24 to \$30 per hour.				
	Rationale		Marks		
	Correct cald without corr	culation of the PED (no minus sign required) with or ect working	3 marks		
		nula (may be implied through the use of figures) and ulation of % change in price and correct calculation e in QD	2 marks		
		nula or correct calculation of % change in price or ulation of % change in QD	1 mark		
	No creditab	le content	0 marks		
	Formula:				
	% change in % change in				
	% change in % change in	QD = <u>(-)20%</u> P = 25 %			
	PED = (-) 0.8				
	Note: an inve	erted formula is one error repeated as long as there is answer	working to		
2(b)(ii)	Explain one way in which PP could make use of price elasticity of demand calculations.				
	Level	Knowledge and Application	Marks		
	2 (APPAPP)	Explanation of one way PED calculations could be useful in context	3		
	2 (APP)	Identification of one way PED calculations could be useful in context	2		
	1 (K)	Identification of one way PED calculations could be useful	1		
	0	No creditable content	0		
	 Answers could include: Navpreet see that plumbing services are price inelastic. Navpreet should increase her price – she may make more profit if she increases her prices. Price is obviously not the most important factor when customers purchase plumbing services. The inelastic response may be due to Navpreet's USP. \$24 to \$30 brings in same amount of revenue (but will probably increase profit. \$30 to \$36 increases revenue (and presumably profit). 				

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Question			Answer			Marks	
2(c)	Analyse <u>one</u> advantage and <u>one</u> disadvantage to Navpreet of taking out a mortgage on her own home to finance PP's expansion.						
	Level	Knowledge and Application (4 marks)	Marks	Analysis (4 marks)	Marks		
	2	Shows understanding of taking out a mortgage to finance expansion in context	3–4	Good analysis of one advantage AND one disadvantage to Navpreet of taking out a mortgage to finance expansion in context	4		
	2			Good analysis of one advantage OR one disadvantage to Navpreet of taking out a mortgage to finance expansion in context	3		
	1	Shows knowledge of mortgages and expansion	2	Limited analysis of one advantage AND one disadvantage of a mortgage as a source of finance	2		
		Shows knowledge of sources of finance or expansion	1	Limited analysis of one advantage OR one disadvantage of a mortgage as a source of finance	1		
	Limited analysis in context: Marks limited to 4+2=6 Annotate advantages on the left and disadvantages on the right Analysis should be about the use of a mortgage NOT expansion Answers could include: Advantages • Would allow Navpreet to retain control of PP and raise sufficient finance for the lease • Long term source of finance so would allow Navpreet to repay the majority						
	 when the new shop is making a profit Relatively (compared to loans) low rate of interest, would reduce repayment costs. Disadvantages Navpreet may lose her house if she is unable to pay back the mortgage with earnings from the new shop The bank may not allow Navpreet to take out a mortgage for the amount 						
	requ • Nav	uired		gage and she does not kno			

© UCLES 2017 Page 8 of 10

Question	Answer						
2(d)	Evaluate promotional methods that PP could use to grow in the future.						
	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 arguments in context	5			
	Shows understanding of TWO promotional methods in context	4	Argument based on TWO promotional methods in context	4			
	Shows understanding of ONE promotional method in context	3	Argument based on ONE promotional method in context	3			
	Shows knowledge of TWO promotional methods	2	Limited analysis of TWO promotional methods	2			
	Shows knowledge of ONE promotional method	1	Limited analysis of ONE promotional method	1			
	No creditable content						
	Allow above and below the line as methods Answers could include: Above the line methods						
	Advertising – Plumbing is likely to remain a local business so national advertising is likely to cost too much and be inappropriate. Local TV, radio, newspapers and magazines may be appropriate and could be targeted to the appropriate market segments.						
	 Below the line methods Word of mouth – Navpreet has been using this, but unpredictable and unlikely to help further growth Sponsorship – Navpreet could sponsor a local team/programme etc May allow PP to become a more well-known brand Direct mailing/Leaflets – relatively cheap and puts the contact details for Navpreet into potential customers homes for when needed. Price promotions – would need to be communicated (perhaps through new shop if it goes ahead). 						
		rm of pro	motion – high street signage, repounts etc.	oeat			

© UCLES 2017 Page 9 of 10

Question	Answer	Marks
2(d)	 Navpreet has a USP and could build on this (perhaps with new shop) to make PP a household brand. Nature of the service is that it is not a day to day product, so a brand needs to be known for when it is needed. 	
	 Packaging Only appropriate for products sold through the shop. Could cross advertise using packaging. 	

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