

BUSINESS

9609/23 October/November 2017

Paper 2 Data Response MARK SCHEME Maximum Mark: 60

Published

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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'.				
	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).				

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 working)	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					
		\$1000 total variable costs \$1500 total fixed costs 500					
	Total revenue =	\$2750					
	\$2750 - \$2500 = \$250						
	Profit = \$250						
1(b)(ii)	Explain <u>one</u> 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 du Would these so it may no The allocati less profitat A problem of 	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 of be appropriate to allocate them to the supermark on 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 et order. r appear				

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	2.4	Good analysis of two advantages of using CAD in context	4			
	2	of using CAD in context	3–4	Good analysis of one advantage of using CAD in context	3		
	1 Shows knowledge of the use of CAD	Shows knowledge of	1–2	Limited analysis of two advantages of using CAD	2		
		1-2	Limited analysis of one advantage of using CAD	1			
	 Limited analysis in context: Marks limited to 4+2=6 Answers could include: Flexibility – allows JS to design stickers and edit the designs (and allows 						
	customers to edit designs) with minimal cost implications. Designs can be sent electronically to customers for approval – this may speed up the lead time from order to production.						
	 Accuracy – CAD may allow the designs to be more accurate and improve the quality of JS's stickers. Reduced storage space for designs – can save JS costs. 						
	 Easier to find previous designs and reproduce past designs/reprints. It may be quicker to produce designs using CAD than hand drawing – this can reduce costs 						
	• CAI	nplates can be set up to sa D can be linked with CAM nce for errors.			ess/less		

Question	Answer						
1(d)	Evaluate suitable payment	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	•			
	 Answers could include: Possible payment methods: Time based – currently being used, rewards amount of time, but no allowance for quality of the stickers or the differing working conditions. Salary – may be appropriate for administrative jobs/design jobs which are task based, but again will not take into account different working conditions or effort put into the job. 						
	 Piece rates – useful to motivate workers on the production line but to what extent is one worker responsible for each sticker or group of stickers? Is it possible to separate out the responsibility? Could be used to reward those who work in unfavourable working conditions and who put in more effort. Commission – useful for sales staff, but to what extent are production 						
	 workers likely to have a Bonuses – Could be use be required otherwise c 	ny input i ed to rew ould be d	nto sales. ard effort but an objective syster ivisive.	n would			
	JS's performance but he working conditions.	ow could	ter motivation into the bigger pic this improve reward for effort or d require a system that tied in ef	differing			
	working conditions to sa	•					

Question	Answer				
2(a)(i)	Define the term 'unique selling point (USP)' (line 6).				
	Knowledge and Application	Marks			
	A correct definition	2			
	A 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:				
	C Example or some other way of showing good understanding, e.g. also known as organic growth	1 mark			
	B 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			
	Exemplar:				
	Internal growth is when a business get larger through the use of ret This is usually a slower way to grown compared to external growth.				

Question	Answer					
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 rect 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:					
	<u>% change in</u> % change ir					
	% change in % change in					
	PED = (-) 0.8					
	Note: an inve support the a	erted formula is one error repeated as long as there is answer	working to			
2(b)(ii)	Explain <u>one</u> 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			
	 Navpree increase Price is o plumbing The inela 	Id include: It see that plumbing services are price inelastic. It should increase her price – she may make more prof Its her prices. In polyiously not the most important factor when customer Its services. Its services. Its services in same amount of revenue (but will probably	rs purchase			

Question	Answer					
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	
	S	Shows understanding of taking out a	3.4	Good analysis of one advantage AND one disadvantage to Navpreet of taking out a mortgage to finance expansion in context	4	
	2	mortgage to finance expansion in context	3–4	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	
	Annotate Analysis Answers Advanta • Wor for t • Lon whe • Rela repa Disadva • Nav with • The requ	uld allow Navpreet to retai the lease g term source of finance s en the new shop is making atively (compared to loans ayment costs. ntages preet may lose her house to earnings from the new sh bank may not allow Navp uired	nd disadv of a morto n control a co would a a profit i) low rate if she is u nop oreet to tal	antages on the right gage NOT expansion of PP and raise sufficient f illow Navpreet to repay the	e majority rtgage amount	

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 credit	able 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. 						
	 unlikely to help further g Sponsorship – Navpreet allow PP to become a m Direct mailing/Leaflets – Navpreet into potential of Price promotions – woul new shop if it goes ahead 	rowth t could sp ore well- relatively customers d need to ad). rm of pror	 cheap and puts the contact definition of the contact definition of the communicated (perhaps thread the communicated (perhaps thread the communicated contact) and the communicated (perhaps thread the communicated contact) and the contact of the con	etc May tails for ough			

Question	Answer	Marks
2(d)	 Branding 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. 	