

### BUSINESS

9609/22 March 2019

Paper 2 Data Response MARK SCHEME Maximum Mark: 60

Published

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge International will not enter into discussions about these mark schemes.

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### **Generic Marking Principles**

These general marking principles must be applied by all examiners when marking candidate answers. They should be applied alongside the specific content of the mark scheme or generic level descriptors for a question. Each question paper and mark scheme will also comply with these marking principles.

GENERIC MARKING PRINCIPLE 1:

Marks must be awarded in line with:

- the specific content of the mark scheme or the generic level descriptors for the question
- the specific skills defined in the mark scheme or in the generic level descriptors for the question
- the standard of response required by a candidate as exemplified by the standardisation scripts.

GENERIC MARKING PRINCIPLE 2:

Marks awarded are always **whole marks** (not half marks, or other fractions).

GENERIC MARKING PRINCIPLE 3:

Marks must be awarded **positively**:

- marks are awarded for correct/valid answers, as defined in the mark scheme. However, credit is given for valid answers which go beyond the scope of the syllabus and mark scheme, referring to your Team Leader as appropriate
- marks are awarded when candidates clearly demonstrate what they know and can do
- marks are not deducted for errors
- marks are not deducted for omissions
- answers should only be judged on the quality of spelling, punctuation and grammar when these features are specifically assessed by the question as indicated by the mark scheme. The meaning, however, should be unambiguous.

GENERIC MARKING PRINCIPLE 4:

Rules must be applied consistently e.g. in situations where candidates have not followed instructions or in the application of generic level descriptors.

GENERIC MARKING PRINCIPLE 5:

Marks should be awarded using the full range of marks defined in the mark scheme for the question (however; the use of the full mark range may be limited according to the quality of the candidate responses seen).

GENERIC MARKING PRINCIPLE 6:

Marks awarded are based solely on the requirements as defined in the mark scheme. Marks should not be awarded with grade thresholds or grade descriptors in mind.

Question	ו Answer						
1(a)(i)	Define the term 'break-even' (line 6)						
	Knowledge			Marks			
	A correct definition			2			
	A partial, vague or unfocused definition			1			
	No credible content			0			
	<ul> <li>A correct definition should cover the following:</li> <li>expenditure (costs) and income (revenue) are equal</li> <li>the level of sales/units where there is no profit or loss</li> <li>TR = TC</li> </ul>						
	Exemplar	Marks	Rationale				
	When a business makes enough sales/revenue/income to cover all the costs	2	Both eleme	ents			
	TC = TR	2	Both eleme	ents			
	Cost of sales is equal to sales revenue.	1	No unders total costs covers dire	tanding of (CoS only ect costs)			
	The business makes no profit or loss	1	No unders the level of sales/units	tanding of f			
	The point at which a business stops making a loss and can start to make a profit	1	No unders the level of sales/units	tanding of f			
	Where the business has made enough sales to have broken even.	0	Tautologic understand	al, no ding			

Question		Answe	r			Marks
1(a)(ii)	Briefly explain the term 'value added' (line 7). Award one mark for each point of explanation					
		Knowledge	l		Marks	
	С	Example or some other way of sho understanding – e.g. refining raw r packaging etc., at different stages	owing good naterials, a of productio	dding on	1	
	В	To a customer/leading to an increa	ase in price		1	
	А	The increase in worth of a product	/service		1	
		Exemplar	Marks	Ratio	onale	
	Adding value is the process of increasing the worth of a good (A) to a customer (B), such as refining a raw material (C). To increase how much a business can charge for of a good (A+B) at each stage of production (C) The difference between the cost of a good to produce and the price at which it is sold (A+B).		3	All three elements		
			3	All three e 'Can charg suggests r just an inc price – the element of here.	lements ge' nore than rease in re is an <sup>f</sup> value	
			2	A and B		
	Incre each	Increase the worth of a good (1) at each stage of production (C)		A and C – 'customer expectations' is taken from the case study		
	To ir prod	ncrease the selling price of a luct (B)	1	This is just increasing value	about price, not	
	То а	dd value to a product	0	tautologica	al	

Question	Answer		Marks
1(b)(i)	Calculate JF's forecast gross profit margin for Option 1.		3
	Knowledge	Marks	
	Correct answer (with or without calculation and/or %)	3	
	Attempt using correct figures/formula or correct calculation of gross profit (\$90 000) <b>and</b> correct calculation of revenue (\$150 000)	2	
	Correct formula or correct calculation of gross profit (\$90 000) <b>or</b> correct calculation of revenue (\$150 000)	1	
	No credible content	0	
	Gross profit Sales revenue	(1 mark)	
	$\frac{\text{Sales revenue} - \text{cost of goods sold}}{\text{Revenue (output \times SP)}} \times 100$	(1 mark)	
	$\frac{150000-60000}{150000}\times100$		
	$\frac{90000}{150000}$ × 100		
	Answer = 60% (accept with or without %)		
	examples overleaf		

Question			Marks	
1(b)(i)	Answer	Rationale	Marks	
	60 (no working)	Correct answer – accept without %	3	
	$\frac{90000}{150000} = 0.6$	Not made into a % (one mistake)	2	
	0.6 (no working)	Wrong answer with no working to support the answer	0	
	$\frac{90000}{300000} \times 100 = 30\%$	Not calculated revenue – left as output (one mistake)	2	
	30% (no working)	Wrong answer with no working to support the answer	0	
	\$90 000	Correct calculation of gross profit – allow even if there is no working	1	
	\$150 000	Correct calculation of revenue – allow even if there is no working	1	
	\$90 000 and \$150 000	Correct calculation of gross profit and revenue	2	
	$\frac{240000}{300000} \times 100 = 80\%$	Not correctly calculated GP or revenue (two mistakes)	1	
	$\frac{40000}{150000} \times 100 = 26.67\%$	Added expenses to the CoGS (1 mistake)	2	
	100 + 50 + 60 = 210	Has added all costs (including start-up costs), and then has	1	
	150 – 210 = -60 (net loss)	the correct process (OFR). Two mistakes (using all costs		
	$\frac{-60}{150} \times 100 = -40\%$	and adding start-up costs) but correct process		

Question	Answer					
1(b)(ii)	Explain <u>on</u> e	<u>e</u> reason w	hy JF might aim for a hig	h gross profit	margin.	3
	Level		Knowledge and applicat	ion	Marks	
	2a (APP)	Explains o profit marg	ne reason for aiming for a gin in context	high gross	3	
	1b (K+K)	Explains o profit marg	ne reason for aiming for a gin (no context)	high gross	2	
	1a (K)	Identifies of high gross	one or more reasons for air profit margin (no context)	ming for a	1	
	0	No credita	ble content		0	
	answer that link, i.e. hig shareholder Some reaso • She pro • To • To • To	<i>dinks to over</i> <i>GP margin</i> <i>cs.</i> ons for aimir ows potentia duce efficie leave enou increase th <b>dge of a</b>	erall (net) profit or net profit margin, there r in may allow JF to make more NP to give to al investors/shareholders that the busines ntly gh to pay the business expenses/indirect e overall (net) profit of the business Explanation (K+K)		must be a o s can costs	
	reason might a high G	why JF im for a PM (K)		(APF	2)	
Measure of efficiency		f	JF may need to prove it is operating efficiently to any potential investors	Particularly in because it is a limited compa	nportant a private iny	
	To cover expenses/i costs	indirect	Otherwise JF may not make any profit for the year	The expenses \$50 000 for op	s are otion 1	
	To increas profit for th	e (net) le year	Which will allow the owners to have more income	The owners a shareholders The (net) prof currently \$40 option 1	re (Ltd) ït is 000 for	

Question	on Answer						
1(c)	Recommend which option Jim should choose using the information in the case study. Justify your view.						
	Knowledge and Application (4 marks)	Marks	Analysis and Evaluation (7 marks)	Marks			
			A justified recommendation based on a developed argument of <b>both</b> options	7			
			A developed recommendation based on a developed argument of <b>both</b> options	6			
			A basic recommendation/ judgement based on a developed argument of <b>both</b> options	5			
	Shows understanding of Option 1 (healthy snacks) <b>and</b> Option 2 (healthy cooking oil)	4	Developed argument based on the impact on JF of choosing Option 1 (healthy snacks) <b>and</b> Option 2 (healthy cooking oil)	4			
	Shows understanding of Option 1 (healthy snacks) <b>or</b> Option 2 (healthy cooking oil)	3	Developed argument based on the impact on JF of choosing Option 1 (healthy snacks) <b>or</b> Option 2 (healthy cooking oil)	3			
	Shows knowledge of	1_2	Limited analysis of product development	2			
	product development	1-2	Limited analysis of Product development	1			
	No c	reditable co	ntent	0			

1(c)       Content: <b>Option 1 (healthy snacks)</b> • A new market opportunity for JF but no experience of marketing/selling these healthy snacks         • Mass market – high sales but possibility of high competition       • A growth market (10%) but less than Healthy cooking oil (15%)         • Society sees this as an important issue – good publicity for JF       • High price can be charged for a quality product         • Can JF produce this product?       • Will the supermarkets purchase from JF?         • Higher start up costs (\$100 000) than Healthy cooking oil (\$75 000)       • Higher expenses (\$50 000) than healthy cooking oil (\$75,000)         • Lower CoGS (\$60 000) than healthy cooking oil (\$75,000)       • Eorecast sales higher (300 000) than healthy cooking oil (100 000)         • Lower Forecast revenue (\$150 000) than healthy cooking oil (\$200 00)       • Lower forecast revenue (\$150 000) than healthy cooking oil (\$200 00)         • Lower GPM (60%) than healthy cooking oil (62.5%)       • Lower NPM (26.7%) than healthy cooking oil (62.5%)         • Lower NPM (26.7%) than healthy cooking oil (45%)       • Forecast to make a loss (-\$60 000) in Year 1 compared to profit of healthy cooking oil (+£15 000) <b>Option 2 (healthy cooking oil)</b> • Synergy with JF's current product range         • Lower fixed costs/annual expenses (\$35 000) than Healthy snacks (\$100 000)       • Lower fixed costs/annual expenses (\$35 000) than Healthy snacks (\$50 000)         • Higher forecast market growth (15%) than Healthy snacks (\$50 000)       • Highe	Question	Answer	Marks
<ul> <li>Option 2 (healthy cooking oil) <ul> <li>Synergy with JF's current product range</li> <li>Lower start up capital required (\$75 000) than Healthy snacks (\$100 000)</li> <li>Lower fixed costs/annual expenses (\$35 000) than Healthy snacks (\$50 000)</li> <li>Higher forecast market growth (15%) than Healthy snacks (10%)</li> <li>A development from what JF already produces – less risk</li> <li>Attracts high income consumers/customers</li> </ul> </li> </ul>	1(c)	<ul> <li>Content:</li> <li>Option 1 (healthy snacks) <ul> <li>A new market opportunity for JF but no experience of marketing/selling these healthy snacks</li> <li>Mass market – high sales but possibility of high competition</li> <li>A growth market (10%) but less than Healthy cooking oil (15%)</li> <li>Society sees this as an important issue – good publicity for JF</li> <li>High price can be charged for a quality product</li> <li>Can JF produce this product?</li> <li>Will the supermarkets purchase from JF?</li> <li>Higher start up costs (\$100 000) than Healthy cooking oil (\$75 000)</li> <li>Higher expenses (\$50 000) than healthy cooking oil (\$75 000)</li> <li>Lower CoGS (\$60 000) than healthy cooking oil (\$75,000)</li> <li>Eower price (\$0.50) than healthy cooking oil (\$2.00)</li> <li>Lower forecast revenue (\$150 000) than healthy cooking oil (\$2.00)</li> <li>Lower GPM (60%) than healthy cooking oil (\$2.5%)</li> <li>Lower NPM (26.7%) than healthy cooking oil (45%)</li> <li>Forecast to make a loss (-\$60 000) in Year 1 compared to profit of healthy cooking oil (+£15 000)</li> </ul> </li> </ul>	
<ul> <li>High price can be charged (\$2) than Healthy snacks (\$0.50)</li> <li>Could enhance JF's image</li> <li>JF already has a link to distribution through supermarkets</li> </ul>		<ul> <li>Option 2 (healthy cooking oil) <ul> <li>Synergy with JF's current product range</li> <li>Lower start up capital required (\$75 000) than Healthy snacks (\$100 000)</li> <li>Lower fixed costs/annual expenses (\$35 000) than Healthy snacks (\$50 000)</li> <li>Higher forecast market growth (15%) than Healthy snacks (10%)</li> <li>A development from what JF already produces – less risk</li> <li>Attracts high income consumers/customers</li> <li>High price can be charged (\$2) than Healthy snacks (\$0.50)</li> <li>Could enhance JF's image</li> <li>JF already has a link to distribution through supermarkets</li> </ul> </li> </ul>	

Question	Answer						
1(d)	Analyse two suitable sources of finance JF could use for the option you have chosen in 1(c)						
	Level	Knowledge and application (4 marks)	Mark	Analysis (4 marks)	Mark		
	2b	Shows understanding of <b>two suitable</b> sources of finance in context	4	Developed analysis of <b>two suitable</b> sources of finance in context	4		
	2a	Shows understanding of <b>one suitable</b> source of finance in context	3	Developed analysis of <b>one suitable</b> sources of finance in context	3		
	1	Shows knowledge of <b>two</b> sources of finance	2	Limited analysis of <b>two</b> sources of finance	2		
		Shows knowledge of <b>one</b> source of finance	1	Limited analysis of <b>one</b> sources of finance	1		
	0	No c	reditable co	ntent	0		
	Answers • • • •	s could include: Long term loan to pay Re-mortgaging/extend Attracting new shareho Leasing/HP for additio Overdrafts for the sho Trade credit for short t	for the fixed ling the mor olders into t nal machine rt term varia erm variabl	d costs of milling/bottlin tgage on the farm he farm ( <i>Note: JF is a</i> ery ible costs e costs	ng etc. <i>Ltd</i> )		
	Any ans should r	wer which mixes a lo not be classed as sui	ong term so table.	olution for a short ter	m problem		

Answe	r			Marks	
Define the term 'induction' (line 12).				2	
Knowledge			Marks		
A correct definition			2		
A partial, vague or unfocused definition			1		
No credible content			0		
<ul> <li>A correct definition could cover the following:</li> <li>Introduction to the business rules, regulations and procedures (or an example)</li> <li>Provided when first joining a business</li> </ul>					
Exemplar	Marks	Ratio	onale		
A general introduction to the business rules provided to all new starters	2	Two eleme	ents		
Generic training such as fire safety provided to new employees	2	Two elements covered			
Provided to new employees	1	A simple statement			
General training and information about the rules and regulations in a business	1	An understanding but too vague			
A type of training	0	Too vague	)		
	Exemplar         A general introduction to the business rules rules provided to new employees         Provided to new employees         A general training and information about the rules and regulations in a business	Answer         Knowledge         A correct definition         A partial, vague or unfocused definition         No credible content         Note: Do not reward 'training' as it is too generic         A correct definition could cover the following:         • Introduction to the business rules, regulatio an example)         • Provided when first joining a business         Exemplar       Marks         A general introduction to the business rules provided to all new starters         Generic training such as fire safety provided to new employees       2         Provided to new employees       1         General training and information about the rules and regulations in a business       1         A type of training       0	Answer         Define the term 'induction' (line 12).         Knowledge         A correct definition         A partial, vague or unfocused definition         No credible content         Note: Do not reward 'training' as it is too generic         A correct definition could cover the following:         • Introduction to the business rules, regulations and procean example)         • Provided when first joining a business         Two elements         A general introduction to the business and provided to all new starters         2       Two elements         Generic training such as fire safety provided to new employees       2       Two elements         Provided to new employees       1       A simple such as fire safety         2       Two elements       Covered         Provided to new employees       1       A simple such as fire safety         Provided to new employees       1       A simple such as fur event such as but too vague         A type of training       0       Too vague	Answer         Define the term 'induction' (line 12).         Knowledge       Marks         A correct definition       2         A partial, vague or unfocused definition       1         No credible content       0         Note: Do not reward 'training' as it is too generic         A correct definition could cover the following:         Introduction to the business rules, regulations and procedures (or an example)         Provided when first joining a business         Exemplar       Marks       Rationale         A general introduction to the business are scovered       2       Two elements covered         Generic training such as fire safety provided to all new starters       2       Two elements covered         Provided to new employees       1       A simple statement         General training and information about the rules and regulations in a business       1       An understanding but too vague         A type of training       0       Too vague       1	

Question	Answer					
2(a)(ii)	Briefl	y explain the term 'social enterpr		3		
	Awaro	d one mark for each point of explana	ation			
		Knowledge	Marks			
	CExample or some other way of showing good understanding – triple bottom line, not a charity, people, planet and profitBProfits are reinvested in order to meet the organisations aim or a loss allowed to meet aims of organisation				1	
					1	
	A Understanding of social enterprise – main aim/objective is to fulfil a social need/not maximisation profit				1	
	The organisations aim is to make a profit not for the shareholders but meet a social or environmental need. It is often referred to as the trip bottom line.					
	Exemplar Marks Ration			onale		
	Business making a profit to meet the social needs of a section of society, often called the triple bottom line3All three elBusiness venture whose main aim is to help a social need (A) rather than make a personal profit (C)2All and C ofMeeting the needs of society1A onlyThe 3 Ps/ People, planet and profit1Identified k themes only understand			ements		
				only		
				key ly, no real ding		
	No io	dentifiable content	0			

Question				Answer		Marks
2(b)(i)	SSR uses pricing eac	cost-based   ch meal.	pricing to	add 60% to variable costs w	/hen	3
	Refer to Ta	able 2.1. Calo <u>city centre</u> re	culate the estaurant	average price of each meal	in the	
	Level		F	Rationale	Marks	
	2 (APP)	Correct cal and/or \$)	culation ( <b>v</b>	vith or without working	3	
	1b (KK)	Correct pro	cess		2	
	1a (K)	Correct forr (\$3.75)	mula or co	rrect calculation of VC	1	
	0 mark	No credible	content		0	
	Total price OR <u>Total varia</u> 10 <i>Allow any r</i> City Centre <b>= \$6.00 (3)</b> Allow full m <u>Common in</u>	(1) (1)				
	An	swer	Mark	Rationale		
	\$6		3	Correct answer		
	(\$1.50 + \$1.30) x 1.6 =\$4.48		2	Edge of city figures (correct process but wrong figures – one mistake)		
	\$4.48 (no working)		0	Incorrect answer		
	60% of \$3	o of \$3.75 = \$2.25 2 Correct calculation of VC and mark up		d mark up		
	\$2.25 (no working)		0	An incorrect answer with no working		
	Total varia	able costs x	1	Correct formula		
	\$5.50 x 1.	6 = \$8.80	1	Used price not VC but proce correct	ss is	
			0	No creditable content		

Question	Answer					
2(b)(ii)	Briefly explain <u>one</u> advantage to SSR of using cost-based pricing.					
	Level Knowledge and Application Marks					
	2 (APP)	Explanation of 1 or more advantages to SSR of using cost-based pricing	3			
	1b (KK)	Explanation of 1 or more generic advantages of cost based pricing	2			
1a (K) Knowledge of cost based pricing		Knowledge of cost based pricing	1			
	0	No creditable content	0			
	<ul> <li>Context is likely to come from:</li> <li>Food is seasonal and prices change so ensures a suitable profit margin is kept</li> <li>Customers are happy that they are paying reasonable prices based on what they are eating/ not being charged premium prices</li> </ul>					

Question	Answer							
2(c)	Analyse <u>two</u> possible impacts on stakeholders of SSR if the second restaurant is successful.							
	Level	Knowledge and application	Marks	Analysis	Marks			
	2	Shows knowledge of two stakeholders in context	4	Developed analysis of two impacts of success of the second restaurant on two stakeholder groups in context	4			
		Shows knowledge of one stakeholder in context	3	Developed analysis of one impact of success of the second restaurant on one stakeholder group in context	3			
	1	Shows knowledge of two stakeholder groups	2	Limited analysis of two impacts of success on two stakeholder groups	2			
		Shows knowledge of one stakeholder group	1	Limited analysis of one impact of success on one stakeholder group	1			
	0	No c	0					
	Note: Do not allow analysis of the impact on any stakeholder group of the factors in Tables 2.1 and 2.2. This question is about the impact of SUCCESS not the location. Major stakeholders: customers, local education provider, local government, employees, competition, investors, suppliers, job centre (any reasonable answer accepted)							
	<ul> <li>Contextual analysis likely to come from:</li> <li>Government – increased size of training scheme impacts on jobless figures which is good for job seekers payments</li> <li>Customers – more seating/bigger restaurant means more availability for local customers means lower waiting time</li> <li>Employees – more jobs means that more young people will be able to work and gain new skills leading to better chances of gaining future employment</li> <li>Suppliers – two successful restaurants lead to more orders and in turn increased profit.</li> </ul>							

Question	Answer							
2(d)	Recommend which location SSR should choose for its second restaurant. Justify your recommendation.							
	Knowledge and Application (4 marks)	Marks	Analysis and Evaluation (7 marks)	Marks				
			A justified recommendation based on a developed argument of <b>both</b> options	7				
			A developed recommendation based on a developed argument of <b>both</b> options	6				
			A basic recommendation/ judgement based on a developed argument of <b>both</b> options	5				
	Shows understanding of decision making factors for city centre <b>AND</b> out of town location for SSR restaurant	4	Developed argument based on factors for city centre <b>AND</b> out of town location for SSR restaurant	4				
	Shows understanding of decision making factor(s) for city centre <b>OR</b> out of town location for SSR restaurant	3	Developed argument based on factor(s) for city centre <b>OR</b> out of town location for SSR restaurant	3				
	Shows knowledge of two factors affecting location	2	Limited analysis of two factors affecting location	2				
	Shows knowledge of one factor affecting location	1	Limited analysis of one factor affecting location	1				
	No c	0						

Question	Answer			
2(d)	Content/context and analysis:			
	<ul> <li>City Centre: <ul> <li>Already has restaurant layout &gt; less initial investment but no personal touch?</li> <li>Competition from established restaurants &gt; might reduce custom but a popular location for new customers?</li> <li>Lack of parking &gt; might impact on ability of people to visit but may be well serviced by public transport</li> <li>Higher average price per mean – \$6</li> <li>Higher sales revenue per month = \$6000</li> <li>Higher net profit per month = \$1750</li> </ul> </li></ul>			
	<ul> <li>Edge of city: <ul> <li>Permission to convert &gt; can create personalised style but expensive</li> <li>Location has fewer potential customers but less competition – captive audience</li> <li>Lower monthly fixed costs – less pressure on the finances</li> <li>Lower average price per mean – \$4.48 – better for a social enterprise?</li> <li>Lower forecast sales revenue per month = \$3360</li> <li>Lower forecast (net) profit per month = \$885</li> </ul> </li> </ul>			