BUSINESS

9609/23 May/June 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		Answer			Marks
1(a)(i)	Define the term 'mission stateme	ent' (line :	2).		2
	Knowledge and	Applicat	on	Marks	
	A correct definition			2	
	A partial, vague or unfocused defi	inition		1	
	No creditable content			0	
	Note: Do not allow objectives or co	onfusion w	ith a business's objec	ctives	
	 A written summary of an organisatid doesn't change over time. Shows we communicates sense of intended distakeholders. May give examples. A correct definition should include the example two of the of the following Vision / beliefs Purpose Goals Values Focus Marketing / communication – at (Core) aim Motivational Long term Sense of direction Creates interest by external group of the stakeholders It is not an objective 	what is imp lirection to two aspec : attract cus oups	ortant to the organis external and interna ts of a mission stater	ation, I	
	Exemplar	Mark	Rationale		
	The goals and aims of a business	2	Two aspects		
	Statement of an organisation's vision	1	Simple but correct of	definition	
	Document showing the purpose of a business	1	Partial definition		
	A mission statement is a statement of objectives	0	Do not reward linkir being an objective	ng to	

		Answer				Marks	
1(a)(ii)	Explain the term 'co-operative' (line 1).						
	Award one mark for each point of explanation:						
	с	Example or some other way of showing understanding, e.g. bulk buying, comm agriculture, motivational, slow decision the achievement of economies of scale	on in making, a	allows	1 mark Pink		
	в	 Responsibilities are shared Owners may contribute to the runn business Shared decision making All members have one vote 	ing of the		1 mark Yellow		
	A	 Owned / financed by workers / cus members Profits are shared 	tomers /		1 mark Blue		
					e to run the		
		ess, they will vote for Directors. In smalle r operatives then workers may also run t nplar	the busine	atives su ess.	ch as co-		
	Exer Merr the r work	•	•	atives su	ch as co- ale		
	Exer Mem the r work work A co or wo (B). I	r operatives then workers may also run to nplar bers (A) own a co-operative and share unning (B) of the business. QL is a er co-operative which mean the	the busine Mark	ratives su ess. Ration	ale		
	Exer Merr the r work work A co or we (B). I motiv	r operatives then workers may also run to mplar bers (A) own a co-operative and share unning (B) of the business. QL is a er co-operative which mean the ers are the members (C). -operative can be owned by customers orkers (A) who will each have a vote Because they own it, they are	Mark 3	A, B ar	ale nd C		
	Exer Mem the r work work A co or wo (B). I motiv A co response	r operatives then workers may also run to nplar bers (A) own a co-operative and share unning (B) of the business. QL is a er co-operative which mean the ers are the members (C). -operative can be owned by customers orkers (A) who will each have a vote Because they own it, they are vated for it to do well (C). -operative has shared profit (A) and	Mark 3 3	A, B ar B and 0	ale nd C C		

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Question		l	Answer		Marks
1(b)(i)	Refer to Table 1.1. Calc	ulate the	value of X in quarter 4.		2
		Ration	ale	Marks	
	Correct answer with or w	vithout co	rrect working or \$ or 000s	2	
	Correct formula* or the c	correct ide	ntification of figures	1	
	No creditable content			0	
	*Correct formula can be i	implied thi	rough the use of figures		
	Formula: Opening balance + cash -\$100 000 + \$200 000 - \$	\$10 000 =	\$90 000 (accept 90)		
	Answer	Mark	Rationale		
	90 (no working)	2	A correct answer		
	200 - 10 - 10 = 180 180 - 100 = 80	1	Only mistake is doubling up out figure, so one mark	the cash	
	-100 + 200 - 20 = 80	1	Formula implied through use figures (i.e. one added and subtracted from opening ba wrong cash out and wrong a	one lance) but	
	80 (no working)	0	A wrong answer with no wo show thinking	rking to	
	\$100 000 + \$10 000 = 110 000	0	Formula is obviously wrong answer is also wrong	and	

Question			Answer		Marks		
1(b)(ii)	Explain two benefits to FN of cash flow forecasting.						
	Level	Knowledge and A	Application	Marks			
	2b (APP+APP)	4					
	2a (APP)	Explanation of one forecasting in con	e benefit of a cash flow text	3			
	1b (K+K)	Identifies two bene	efits of cash flow forecasting	2			
	1a (K)	Identifies one bene	efit of cash flow forecasting	1			
	0	No creditable cont	ent	0			
	Note: an answ gains 3 marks	•	DNE benefit in context (i.e. APP a	annotation)			
	Content is lik	ely to come from:					
	able to ob To measu Makes su Identifies Allows be To give in	tain new finance, it ire the financial perf re the business can potential problems tter management of formation to other s	falls – If a business runs out of c will become insolvent. formance of the business pay debts / bills with customer payments a business's finances takeholders, e.g. banks cash balances in advance – 'ear				
	Note: cash flo profit / loss	ow forecasting doe	es not allow a business to fore	cast			
	Context may o	come from:					
	 Expansion Use of numbers from Table 1.1 Purchase of neighboring farm Answer to 1(b)(i) 						
	Example of how responses should be marked:						
		n of a benefit of recasting (K)	Explanation of a benefit in co (APP)	ontext			
	Manage cash	ו	To see if they can afford to exp	and			
	Identify times have cash	when they do not	For example in the first three qu	uarters			

Question			Answer			Marks		
1(c)	-	e two sources of finance ourchase the neighbouri		•	ould	8		
	Level	Knowledge and Application (4 marks)	Marks	Analysis (4 marks)	Marks			
	2	Shows understanding of two sources of finance in context	4	Developed analysis two sources of finance in context	4			
	2	Shows understanding of one source of finance in context	3	Developed analysis of one source of finance in context	3			
	1	Shows knowledge of two sources of finance	2	Limited analysis of two (or more) sources of finance	2			
		Shows knowledge of one source of finance	1	Limited analysis of one source of finance	1			
	0	No credible content						
	Note: do not reward the sale of share OR the change of legal structure to a PLC (unless it is totally unrelated to share issue) Content:							
		 sources of finance:						
	 Retain Sale Sale 	ained earnings e of unwanted assets e and leaseback of non-cu king capital	irrent ass	ets				
	External sources of finance:							
	 Ven Ove Leas Hire Ban Mor Deb 	v partners ture capital ordrafts sing e purchase k loans tgages pentures ro-finance						
	Crov	wd funding rernment grants						

Question		Answer		Marks	
1(c)	Could choose any source of finance but, from the context, most likely to consider getting more members in the co-op or obtaining a bank loan – analysis and understanding will come from the context				
	Note: 'interna	l' and 'external' can be sou	rces of finance in themselves		
	Contextual an	alysis likely to come from:			
	One optiorBank loan	n discussed to invite more me – cash flow predicts a health ance may not be suitable as	y surplus in just over a year		
	Example of a source of finance (K)	Examples of application / context (APP)	Examples of possible analysis (AN + DEV)		
	Bank loan	Been established for 10 years so likely to be granted	Interest will have to be repaid (AN) which may mean that FN has even worse cashflow (DEV)		
	Mortgage	The farm is a property so a mortgage would be suitable	Mortgage would have a lower interest rate than a bank loan (AN) but still reduces the profits of the business (DEV)		

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Question		Ans	wer		Marks		
1(d)	Evaluate the likely impacts on the local community if FN changes from a co-operative to a public limited company.						
	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 arguments in context	5			
	Shows understanding of changing from a		Argument based on two impacts of FN changing from a co-operative to a public limited company on the local community	4			
	cooperative to a public limited company in context	3–4	Argument based on one impact of FN changing from a co-operative to a public limited company on the local community	3			
	Shows knowledge of changing from a co-	1–2	Limited analysis of two impacts of a change in legal structure a local community	2			
	operative to a public limited company	1-2	Limited analysis of one impact of a change in legal structure on a local community	1			
	No cr	edible co	ontent	0			

Question		Answer		Marks			
1(d)	This is a question about changing legal structure, not creating jobs. If knowledge of changing legal structure has been shown, then creating jobs can be an impact (i.e. analysis) but no reward if that knowledge has not been shown earlier in the answer.						
	 Will prices rise as sha Culture of a PLC very Will it affect working it Not all members agree Could provide finance Provide income for me Would have to appoint be on the board Currently all have equivalent of the local community? Will it change plans for for the local community of the	ee so already causing con e for the expansion and no iembers nt Board of Directors – me ual rights – this could cha n statement especially in r or use of additional land fr ity? sustainable farming? may fear possible takeove	gh profit / dividends e flict p interest to pay embers might all want to nge relation to local rom education and events				
	к	АРР	AN				
	A PLC can sell shares (K) so FN can gain more capital (K)	It could use the capital to open more local farm shops (APP) and provide more educational programmes (APP)	It can afford to employ more people from the local community (AN) and living standards would rise (AN)				
	A PLC can sell shares to the general public (K) its main business objective is profit maximization (K)	FN may no longer offer educational programmes (APP) and may cut costs by using lower quality seeds (APP)	To increase profits prices may go up (AN) or lower quality products offered (AN)				

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Question		Answer	Ма
1(d)	DEV	EVAL	
	If shops are nearby then this will be more convenient for local people who will buy their daily foods more easily which will reduce travelling costs (DEV). More educational programmes will mean that more local people can benefit from these programmes and their skill levels will increase and they will be more employable (DEV)	In the short-term converting to a PLC will benefit the community (EVAL) as they will have lower living costs and higher incomes from employment (EVAL). In the long run the educational programmes will also give them qualifications which will make it easier for those people to get better paid jobs (EVAL)	
	FN's mission to contribute to the local community may no longer be an aim and the local community will not be able to benefit from the educational programmes (DEV) The rise in the price of products will impact the local community, especially the poorest, as they will be unable to buy as much and food is a necessity (DEV)	The impact on the local community will be negative (EVAL) as they will not be offered programmes to increase their skill levels and employability (EVAL) and, at the same time, will face lower living standards as there is a greater impact on income, from paying higher prices for a necessity (EVAL)	

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Question	Answer				Marks			
2(a)(i)	Define the term 'unique selling point' (line 1).							
	Knowledge and Application	on		Marks				
	A correct definition			2				
	A partial, vague or unfocused definition			1				
	No creditable content			0				
	 Content Different / differentiates about a business Factor or feature 	s's product	/ service					
	Exemplar	Mark	Rationa	le				
	A factor that differentiates a product from its competitors	2	Full defi	nition				
	A feature that differentiates a product service	2	Implied competi	tion				
	A feature that sets you apart from competitors	2	Full defi	nition				
	A special feature of your product	1	No relat competi					
	Makes your product stand out	1	No relat factor or					

Question		Answer				Marks
2(a)(ii)		ain the term 'mass customisation' (line d one mark for each point of explanation:				3
	c	Example or some other way of showing understanding, i.e. can involve the use solution to making etc.		cost	1 mark Pink	
	в	Understanding of 'mass', i.e. understan of production lines / flow production / as etc.			1 mark Yellow	
	A	Understanding of customisation, i.e. the techniques to create differentiated products, to customer orders etc.		ue	1 mark Blue	
	beca mass • L p	the C <u>mark is dependent on gaining la</u> use otherwise a wrong understanding production) could gain the majority of Using production lines to make a variation production techniques to produce differen Can add value to a product by adding different	of mass of the man in productiated pro- erences a	<i>custon</i> /ks. cts. Usir ducts. nd custe	nisation (e.g. ng mass	
		Aake products unique to each customer b				
	Usin diffe	mplar og a production line (B) to make rentiated products (A) often using hinery (C)	Mark 3	Ratio	ee elements	
	have requ prod	ere a business makes products which e are based on the individual customer irements (A) but have been made on a luction line (B). This keeps the cost low he business (C).	3	All thr	ee elements	
		ere lots of different types of products (A) made using flow production (B).	2	A and	B mark	
		ing customised products for the omers which can be low cost.	1	not all mark A and	k only – do ow the C unless both B have awarded NB)	
	whic and	ing lots of products on a production line th keeps the costs of the business low means that the business can produce of products to sell	1	obviou with m	k only – us confusion nass ction (See	

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Question			Answer	Ма	rks			
2(b)(i)	Calculate the new quantity demanded of the Tommy Turner if FBL increases the price by 10%.							
		Marks						
	Correct answer with or	4						
	Correct calculation of cl direction	hange in Q	D (24 000) with or without	3				
	Correct calculation of p	ercentage	change in QD (-20%)	2				
	Correct formula*			1				
	No creditable content			0				
	*Formula can be implied	l through th	ne use of figures					
	% change in QD = PED % change in P							
	% change in QD = -2 10%							
	So % change in QD = So, change in QD =	-24 000	units (a decrease of 24 000 ur) – 24 000 = 96 000 units	nits)				
	Answer	Mark	Rationale					
	Answer 96 000 (no working)	Mark 4	Rationale Correct answer					
	96 000 (no working)	4	Correct answer)				
	96 000 (no working) –96 000	4	Correct answer One mistake					
	96 000 (no working) -96 000 24 000	4 3 3	Correct answer One mistake Calculation of change in QD					
	96 000 (no working) -96 000 24 000 -24 000	4 3 3 3	Correct answer One mistake Calculation of change in QD Calculation of change in QD)				
	96 000 (no working) -96 000 24 000 -24 000 -20%	4 3 3 3 2	Correct answer One mistake Calculation of change in QD Calculation of change in QD Percentage change in QD Percentage change in QD (i	gnore lack				
	96 000 (no working) -96 000 24 000 -24 000 -20% 20%	4 3 3 3 2 2 2	Correct answer One mistake Calculation of change in QD Calculation of change in QD Percentage change in QD Percentage change in QD (i of minus)	gnore lack				

Question			Answer		Marks
2(b)(ii)	Explain one f	factor influenci	ing the supply for the Tommy Tu	rner.	2
	Level	Knowledge a	nd Application	Marks	
	2 (APP)	Explanation of context	a factor influencing supply in	2	
	1a (K)	Explanation of	f a factor influencing supply	1	
	0	No creditable	content	0	
	Content may	include:			
	 Investmet Supply of Technolo Productiv Taxes an Weather Availabilit Productio Context may Capacity Ability to 1 Productiv 	of producers nt a related good gy ity d subsidies cy of factors of p in time include: – FBL working a invest – requires ity – can this be	at full capacity s \$100 000		
	Explanation (1 mark)	of a factor	Explanation of a factor in c (2 marks)	ontext	
	Productivity		Tommy turners are hand mad labour-intensive work	de and	
	Availability o	f labour	Highly skilled job		

Question			Answer			Marks
2(c)	-	two methods FBL could imy Turner.	d use to	extend the product life	cycle of	8
	Level	Knowledge and Application (4 marks)	Marks	Analysis (4 marks)	Marks	
	2	Shows understanding of two methods to extend the PLC in context	4	Developed analysis of two methods to extend the PLC in context	4	
		Shows understanding one method to extend the PLC in context	3	Developed analysis one method to extend the PLC in context	3	
	1	Shows knowledge of two methods to extend the PLC	2	Limited analysis of two methods to extend the PLC	2	
		Shows knowledge of one method to extend the PLC	1	Limited analysis of one methods to extend the PLC	1	
	0 No credible content					
	Context / content					
	Extension strategies extend the life of the product before it goes into decline may include:					
	 Extension other Price Explicit New 	ertising – try to gain a new end range – add new desig er named characters (othe e reduction – more attract lore new markets – try sel / packaging – brightening hanging the colour or font	gns / feat er than ' ive to cu ling abro up old pa	tures to the current produ Fommy Turner') stomers / favoured by An ad ackaging, or subtle chang	ct e.g. inditad	

Question		Answer		Marks
2(c)	ARA			
	Example of a method (K)	Examples of application / context (APP)	Examples of possible analysis (AN + DEV)	
	Add new features (K)	As it only spins could add animal sounds (APP)	Parents could see this as an educational benefit (AN) to help their children recognise different animals by sound so more are likely to buy it (DEV)	
	Suggest new uses (K)	The spinner could be marketed to an older age group as a 'stress reliever' (APP)	A product in the maturity phase of the product life cycle has achieved peak growth (AN) by marketing to older age groups (than 4–10 year olds) with a different use, such as stress relief, can help maintain or increase sales (DEV)	

Question		Ans	wer		Marks
2(d)	Discuss the likely impact or employees if supply of the				11
	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 arguments in context	5	
	Shows understanding of staff morale and welfare in	3-4	Arguments (two-sided) based on the impact of an increase in supply on FBL's employees morale and welfare	4	
	context	0-4	Argument (one-sided) based on the impact of an increase in supply on FBL's employees morale and welfare	3	
	Shows knowledge of staff morale and welfare	1–2	Limited analysis of the impact of an increase in supply on employee's morale and welfare	1–2	
	No cr	edible co	ontent	0	
	Employee morale and welfare feelings of wellbeing, good wo good workplace culture. One been shown to have a direct e reduced concentration, absen high staff turnover etc.	ork relation of the content offect on	onships, engaged / take pride rnerstones of business which productivity. Low morale lead	in work, has s to	

Question	Answer	Marks
2(d)	Context / content:	
	Increased supply requires a production change to CAM, machinery rather than hand produced toys which would mean lower skilled work and could lead to a fall in morale. Also might change payment system.	
	FB's employees:	
	 Take great pride in their work. Very loyal to the company and their co-workers. Most of the employees have been with the company for over 10 years. Enjoy good relationships with all the directors. 	
	If morale falls employees might:	
	 Look for other jobs Find it hard to concentrate Resent the directors for the change Cause conflict with management and even co-workers Produce less Be absent more frequently Lower quality of work 	
	Evaluation could include:	
	 The fact that there are strong relationships within the company so employees could be persuaded that the change is good for all. It's possible that pay might increase. Some employees might welcome learning new skills to operate the machinery. The design team is still required so not as much change for them. Management could consult and communicate benefits of change to employees so that they are comfortable with the changes. Other toys might still be handmade. 	
	An example of how an answer could develop and how it should be annotated:	

Question		Answer		Marks
2(d)	к	АРР	AN	
	Employee morale refers to job satisfaction (K) and welfare to a healthy work environment (K)	Employees at FBL are happy there as they have worked for it for 10 years / a long time (APP) and take great pride in their work (APP)	If employees feel job satisfaction they will be happy to work more hours to increase supply (AN) and will proud that they work for a successful firm (AN)	
	Employees with low morale dislike their job (K) and will lack motivation to do well (K)	This might damage the existing good relationship with the directors (APP) and even between co- workers who have been loyal to each other (APP)	Leading to conflict between workers and management (AN) and employees may look for jobs with competitors (AN)	

Question		Answer
2(d)	DEV	EVAL
	FBL's employees tare highly skilled but if FBL introduces mass customisation their skills will no longer be required as the new machinery will take over much of the production process (DEV). They may be happy that they will be trained in other skills such as operating the new machinery as this will increase their skill set and provide greater job security (DEV)	However, as there are good relationships within the company the employees could be persuaded that the positives of the change outweigh the negatives (EVAL) and the increased profits could mean higher wages for the workers (EVAL) leading to an increase in morale and feelings of job satisfaction (EVAL)
	If the existing good relationship between employees and directors is damaged, conflicts might occur which could disrupt production and reduce output (DEV). Although not all employees are affected in the same way, the design team are still needed to work on designs for future products which could increase their job satisfaction (DEV)	Although the Tommy Turner may be produced using mass customisation there may still be a need for other hand made toys (EVAL) so the current employees could still use their skills to make these (EVAL) and new employees could be recruited to work the new machines so that all current employees still enjoy their jobs (EVAL)