Cambridge International AS & A Level

BUSINESS

Paper 2 Data Response MARK SCHEME Maximum Mark: 60 9609/22 October/November 2020

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		Answ	er			Marks
1(a)(i)	Define	the term 'revenue' (line 2).				2
	Know	ledge	Marks			
	A corr	ect definition	2			
	A part	ial, vague or unfocused definition			1	
	No cre	editable content			0	
	for each Re for for Alterna	nt ct definition should include the fo h element): venue is the money received (by selling its products and services. tively, a candidate can gain BOTI ce × quantity sold (2)	a busines	s)		
	Exem	plar				
	Rever from s	nue is the money a firm gets ales	2	Both eleme	ents	
	Price	× Quantity	2	Valid formu	ıla	
	The in	come of a firm	1	First eleme	nt only	
	Rever	nue is the profit of a firm	0	Incorrect		
1(a)(ii)	Explain the term 'unit costs' (line 6). Award one mark for each point of explanation:					
	Ratio	nale			Marks	
	С	Example or some other way of s understanding – only if both A <u>a</u> been gained	1			
	В	An understanding of unit – must <u>single</u> product/good	1			
	A	An understanding of costs – mu cost is something paid by a bus from production			1	

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Question	Answe	ər		Marks
1(a)(ii)	Content			
	Exemplar	Marks	Rationale	
	The amount that a business must pay out (A) to produce a single item (B). For example, this may be what ES has to pay out to produce a single unit of energy.	3	All three marks	
	How much a business pays (A) to make a single produce (B).	2	Both A and B marks	
	Total costs/output.	2	Both A and B marks	
	Costs are incurred by a business by production.	1	A mark only	
	The total costs, which include fixed and variable costs of products divided by the number of products (B).	1	Clear understanding of a single unit, but no explanation of what a cost is.	
	What it costs for a unit (B).	1	<pre>`a unit' is enough for the B mark.</pre>	
	The cost of one (B) unit of a good. An example would be the cost of one can of cola.	1	A clear idea of a single unit. However, example mark cannot be given without A and B marks awarded.	
	The cost of units.	0	Neither unit or cost is explained.	

Question	Answer						
1(b)(i)	Refer to Table 1.1. Calculate the difference in dollars received by each director and each manager from the profit-sharing scheme.						
	Rationale	Marks					
	Correct answer with or w	3					
	Correct calculation of Dir	rectors sha	are and Managers share	2			
	Correct calculation of Dir	rectors sha	are or Managers share	1			
	No creditable content			0			
	(\$0.012 m) • \$30 000 - \$12 000 = Answer = \$18 000 (\$0.015	\$18 000 8 m) ver if there	0.1% = 0.1% of \$12 m = \$1 e is clear working shown for se numbers are wrong) Rationale Correct answer – does no	r the two			
	\$12 m 0.25 = \$48 m \$12 m 0.1 = \$120 m \$48 m + \$120 m = \$168 m *OFR means the use of the candidate for the stages of stage or figure used is inco- create all following calcular rewardable (if correct when	he own fig of a calcula correct. An ations to h en using a	Candidate has inverted the sharing formula for both I Managers, which are not However, the candidate the completes the last stage of based on their own figure should be awarded one n where rule – this aims to reward ation that are correct, even early mistake, for example ave wrong answers, but the candidate's own figures) T	ne profit- Directors and creditable. hen correctly and (OFR) nark. ard a if an earlier e, would ese are still Therefore the			
	•	arks for the	e stage that was incorrect, i				

Question			Answer			Mark	
1(b)(ii)	Explain <u>one</u> disadvantage to ES of using a profit-sharing scheme.						
	Level	Level Knowledge and Application					
	2b (APP)	Explanatio sharing scl	3				
	2a (K+K)	Explanatio a profit-sha	2				
	1a (K)	Identification a profit-sha	1				
	0	0 No creditable content					
	 leading t Increase competit May cau gained (1) 	to the compa s the costs of ive (many co se employer use of previo	ght sell their shares beca any being taken over. of the business and ther ompetitors in the market r/employee issues becau ous answers – OFR). es should be marked	efore could make	ES less		
	Identification of a Explanation Possible con disadvantage				text		
	The owners get less profitWhich may lead to them selling their sharesBecause ES is a public limited company						
	There is les profit for ES		Which may lead to lower growth for ES	Which might s expansion into fracking sites			

Question			Answer			Marks			
1(c)	Analyse <u>one</u> internal source of finance and <u>one</u> external source of finance that ES could use to purchase a fracking license.								
	Level	Knowledge and Application (4 marks)	Marks	Analysis (4 marks)	Marks				
	2b	Shows understanding of one internal and one external source of finance in context	4	Good analysis of one internal and one external source of finance in context	4				
	2a	Shows understanding of one internal or one external source of finance in context	3	Good analysis of one internal or one external source of finance in context	3				
	1b	Shows knowledge of one internal and one external source of finance	2	Limited analysis of one internal and one external source of finance	2				
	1a	Shows knowledge of one internal or one external source of finance	1	Limited analysis of one internal or one external source of finance	1				
	0	No creditable content			0				
	Internal Ret som Sale	 Content Internal Retained earnings – ES made \$12m profit in 2018, so likely to have some retained earnings to use as a source of finance Sale of assets – ES owns some old coalmines – could these be sold to raise finance for the licenses. 							
	 Sell may Gov frac 	 External Selling shares – plc so able to raise funds in this way – profitable and may be able to sell on the basis of publicity that profits will increase Government grants – government of country X is very supportive of fracking, so may be willing to give a grant to ES Bank loans – profitable business, promising future returns 							
	finance.	rights issue (to current sha However, simply selling s nt shareholders) is an exte	hares (wi	th no explicit reference t					

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Question		Answer		Marks
1(c)	Example of an internal source of finance (K)	Examples of application/context (APP)	Examples of possible analysis (AN + DEV)	
	Retained profit (K)	ES had \$12m retained profit in 2019 (APP)	Does not need to be repaid (AN) but there is an opportunity cost (DEV)	
	Example of an external source of finance (K)	Examples of application/context (APP)	Examples of possible analysis (AN + DEV)	
	Sell shares (K)	ES is a Public Limited Company (APP)	So, by selling shares this can release cash to finance the purchase of the fracking license (AN), however, this may lead to a loss of control by the current owners (DEV)	

Question		An	swer		Marks		
1(d)	Evaluate how <u>two</u> external stakeholders of ES might be affected by the company continuing to use the fracking process.						
	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 two external stakeholders in context	4	Arguments based on the effect on two external stakeholders in context	4			
	Shows understanding of one external stakeholder in context	3	Arguments based on the effect on one external stakeholder in context	3			
	Shows knowledge of two external stakeholders	2	Limited analysis of the effect on two external stakeholders	2			
	Shows knowledge of one external stakeholder	1	Limited analysis of the effect on one external stakeholder	1			
	No creditable content	1		0			

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Question	Answer	Marks
1(d)	 Content Local community/society – devaluation of houses, earthquakes, pollution Activists/environmentalists/pressure groups – damage to the natural environment, pollution etc. Potential investors – attracted to future profit but could be put off by bad publicity (not current shareholders) Potential employees – Growth in jobs Customers – cheaper energy, cost of living Suppliers – increased demand because of ES growing Lenders – risk of bad publicity or government changing mind at a later date Government – increase energy self-sufficiency, increased tax revenue, economic growth Competitors – May lead them to having to purchase a fracking license and increasing costs to compete Analysis should be focussed on the effect on each stakeholder (not the business). Evaluation is most likely to be demonstrated by: The relative level of effect on each stakeholder Which stakeholder is likely to be most affected Whether the effect on each stakeholder is likely to be <i>all</i> bad or <i>all</i> good How external stakeholder's effects might be mitigated 	

Question			Answer			Marks		
1(d)	Examples of how an answer could develop and how it should be annotated.							
	К	APP	AN	DEV	EVAL			
	Government (K).	Gain money from selling the licenses (APP).	Allows the government to invest in infrastructure (AN).	Which may increase the welfare of the citizens of country X (DEV).	The local community are likely to be most affected (EVAL) because they also have to suffer from earthquakes			
	Local community (K).	Who live near a fracking site may see a reduction in the price of their home (APP).	This means their houses are worth less (AN)	Which might mean they get less money if they sell their home (DEV).	whereas the government will get the money from the licenses no matter what (EVAL). However, this depends on whether the people keep voting for the government (EVAL).			

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Question		Answer							
1(d)	к	APP	AN	DEV	EVAL				
	Customers (K).	May get cheaper energy through ES growing (APP).	Which means the customers have to pay less for their energy (AN).	And have more money to spend on household goods (DEV).	The customers are likely to only benefit from ES continuing to use the				
	Competitors (K)	May find more competition for fracking licenses (APP).	Which increases their costs (AN).	And may reduce their profit (DEV).	use the fracking process (EVAL) because increased competition may lead to even lower prices (EVAL). However, this depends on whether ES and their competitors reduce their prices (EVAL).				

Question	Answ	/er			Marks		
2(a)(i)	Define the term 'cost-based pricing' (line 14).						
	Knowledge	Marks					
	A correct definition			2			
	A partial, vague or unfocused definition	ו		1			
	No creditable content			0			
	 for each element): An amount is <u>added on to</u> give the amount the customer must p Based on the cost to produce a product (1) 						
	 An amount is <u>added on to</u> give the a Based on the cost to produce a pro 	duct (1)		t pay (1)			
	• An amount is <u>added on to</u> give the a		e customer mus Rationale	t pay (1)			
	 An amount is <u>added on to</u> give the a Based on the cost to produce a pro 	duct (1)					
	 An amount is <u>added on to</u> give the a Based on the cost to produce a product and the product a	duct (1) Mark	Rationale	:S.			
	 An amount is <u>added on to give the a</u> Based on the cost to produce a produce and the produce a p	duct (1) Mark 2	Rationale Both element	ent only. only – costs of			

Question		Ansv	ver		Marks		
2(a)(ii)	Explain the difference between 'cash' (line 15) and 'profit' (line 15). Award one mark for each point of explanation:						
	Rationale	Marks					
	C Explanation of the	difference	e between cash and profit	1			
	B Understanding of p	orofit		1			
	A Understanding of c	cash		1			
	as costs need to be paid.Cash is an asset of the buCash is required to run a for.	s ween cos come fror usiness. business,		g to aim			
	Exemplar	Mark	Rationale				
	A business is unlikely to operate without cash but can operate without profit (C).	3	A difference shown, so a marks gained – the cano does not need to show understanding of cash o a valid difference has be explained.	lidate r profit if			
	Cash can be used to pay the business costs (A) <i>whereas</i> profit is the difference between costs and revenue (B).	3	Clear understanding of b and profit, the word 'whe shows a difference.				
	Cash can be used to pay the business costs (A). Profit is the difference between costs and revenue (B).	2	Two statements but no a to compare them, so onl marks.				

Question		Answei			Marks			
2(b)(i)	Refer to Table 2.1 and any other relevant information. Calculate the revenue GT will receive from all the performances of 'A Summer Dream' in January 2021.							
	Rationale			Marks				
	Correct answer with or without	correct wo	orking or \$	3				
	Correct calculation of TR			2				
	Correct use of numbers			1				
	No creditable content			0				
	Formula: $$40 \times (250 \text{ tickets} \times 9 \text{ performances})$ $$40 \times 2250$ = \$90 000 (TR) 50% of revenue to GT = \$90 000 / 2 = \$45 000 Answer = \$45 000 OFR Common incorrect answers							
	Answer	Mark	Rationale					
	45 000	3	Correct answer – do need \$	es not				
	\$40 × 9 = \$360 \$360 / 2 = £180	2	Candidate has misse number of seats – ho the other stages of th calculation have bee completed correctly	owever, all ne :n				
	\$180 (no working)	0	Do not reward incorr answers without wor show correct stages calculation.	king to				
	\$40 × 250 = 10 000 50% of 10 000 = \$5000	2	Candidate has misse number of performar however, all the othe of the calculation has completed correctly	nces – er stages ve been				
	\$5000 (no working)	0	Do not reward incorr answers without wor show correct stages calculation.	king to				

Question	Answer						
2(b)(ii)	Explain <u>one</u> possible advantage to GT, other than increased revenue, of renting the theatre to visiting groups.						
	Level	Knowledg	Marks				
	2 (APP)	Explanation to visiting g	3				
	2 (K + K)	Explanation item	n of an advantage of rent	2			
	1 (K)	Identification item	1				
	0	No creditat	ole content	0			
	May advMakes uIncrease	se of a redu	rformances at a visiting g ndant resource/capital ite e of the theatre flow				
	Identification of a Explanation Possible cor difficulty				itext		
	Advertises the theatre.		Which may bring in more customers to a GT show. For example, GT advertise Wise C during the performances of Summer Dream.		e Owl		
	Spreads fixe	ed costs.	Because the extra performances can be allocated some of the fixed costs.	Such as upke building.	ep of the		

Question	Answer						
2(c)	Analyse <u>two</u> factors which might affect the demand for the performances at GT's theatre.						
	Level	Knowledge and Application (4 marks)	Marks	Analysis (4 marks)	Marks		
	2b	Shows understanding of two factors affecting demand in context	4	Good analysis of two factors affecting demand in context	4		
	2a	Shows understanding of one factor affecting demand in context	3	Good analysis of one factor affecting demand in context	3		
	1b	Shows knowledge of two factors affecting demand	2	Limited analysis of two factors affecting demand	2		
	1a	Shows knowledge of one factor affecting demand	1	Limited analysis of one factor affecting demand	1		
	0	0					
	 Content Candidates may choose to analyse the demand from consumers or the demand from visiting theatre groups Changes in income – being a normal/luxury product, consumers are likely to increase spending on GT performances based on increasing income. Fashions/trends/tastes/preferences – going to the theatre may become fashionable, or may become a new trend Advertising – if GT spend on advertising, then it is likely to increase demand for their performances Brand awareness Price of substitutes/complements Availability of substitutes/compliments (for example Netflix, Amazon, other theatres) Population size Quality Uniqueness (USP) 						

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Question	Answer					
2(c)	Example of a factor (K)	Examples of application/context (APP)	Examples of possible analysis (AN + DEV)			
	Tastes of customers (K)	Customers obviously prefer A Summer Dream to La Poeme Ballet (APP)	Which means that more tickets were sold for A Summer Dream (AN) and this gains GT more profit (DEV)			
	Income (K)	Theatre tickets are likely to be a luxury good (APP)	Which means that the higher the income the more tickets GT will sell (AN) and the more profit GT will make (DEV)			

Question	Answer					
2(d)	Recommend whether GT should employ Nick or Portia for the position of Theatre Manager. Justify your recommendation.					
	Knowledge and Application (4 marks)	Marks Analysis and Evaluation (7 marks)		Marks		
			Justified recommendation based on argument in context	7		
		Developed recommendation based on argument in context		6		
			A recommendation / evaluative statement based on argument in context	5		
	Shows understanding of two factors of selection in context4Argument based on factor(s) affecting the selection of Nick and PortiaShows understanding of one factor of selection in context3Argument based on factor(s) affecting the selection of Nick or PortiaShows knowledge of two factors of selection2Limited analysis of factor(s) 		4			
			affecting the selection of Nick	3		
			affecting the selection of Nick	2		
	Shows knowledge of one factor of selection 1 Limited analysis of factor(s) affecting the selection of Nick or Portia					
	No creditable content	0				
	Content Nick Experience in the sec A-Level in Business – Organised and efficie No management expo May not stay for long Portia Eight years of experie Good sense of humo Likely to stay for a lor No formal qualificatio experience?					
	 Late for the interview – does this suggest she is disorganised – however worked for the bank for eight years 					

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Question			Answer			Marks
2(d)	Examples of how an answer could develop					
	к	АРР	AN	DEV	EVAL	
	Experience (K).	Nick has appropriate theatre experience, which means he knows what to do (APP).	That could mean that GT has to pay less training costs if they hire Nick (AN).	Leading to a better chance for GT to make profit (DEV)	Nick is the better person to employ (EVAL) because experience in a theatre is more important than personality in a job that requires administration and	
	Personality (K)	Portia has a good sense of humour making her easier to work with (APP).	Which may mean that GT attracts more visiting theatre companies (AN).	Which may lead to an increase in revenue for GT (DEV).	accounting (EVAL). However, this might depend on how complex the accounting is as Portia's banking experience might make her the better employee (EVAL).	