

Cambridge Assessment International Education

Cambridge International Advanced Subsidiary and Advanced Level

BUSINESS 9609/31

Paper 3 Case Study

October/November 2018

MARK SCHEME

Maximum Mark: 100

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.

Cambridge International is publishing the mark schemes for the October/November 2018 series for most Cambridge IGCSE™, Cambridge International A and AS Level components and some Cambridge O Level components.



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.

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General Marking Guidance

- Marking should be positive: marks should not be subtracted for errors or inaccuracies.
- When examiners are in doubt regarding the application of the mark scheme to a candidate's response, the team leader must be consulted.
- Crossed out work should be marked UNLESS the candidate has replaced it with an alternative response.
- Errors that are carried forward (e.g. when an incorrect numerical answer to one part of a question is used as the starting point for a calculation in the next part of the question) should not be compounded use the 'own figure rule'.
- Poor spelling, handwriting or grammar should not be penalised as long as the answer makes sense.
- The main RM Assessor annotations to be used are K (Knowledge), APP (Application), AN (Analysis), EVAL (Evaluation). For each of these four annotations, the number of marks awarded for that assessment objective must match the number of times that annotation is on the answer.
- Only award EVAL if the candidate has also demonstrated APP.
- If there is no relevant K (Knowledge) no marks can be awarded.
- Blank pages on a script should be annotated as SEEN.
- A blank space, dash, question mark and a response that bears no relation to the question constitutes a 'no response'.
- In Section B, candidates answer either Question 6 or Question 7. The Section B question that the candidate does not answer must be entered as 'no response'.
- Blank pages, or pages that contain crossed out material, must be annotated using 'seen'.
- Accept any reasonable answer (ARA) when awarding marks. The suggestions for content in the mark scheme are neither exhaustive nor required.

This mark scheme includes a summary of appropriate content for answering each question. It should be emphasised, however, that this material is for illustrative purposes and is not intended to provide a definitive guide to acceptable answers. It is quite possible that among the scripts there will be some candidate answers that are not covered directly by the content of this mark scheme. In such cases, professional judgement should be exercised in assessing the merits of the answer and the senior examiners should be consulted if further guidance is required.

Application marks are not awarded for repeating material from the case study. Application is by answering in the context of the case or by using the information in the case to help answer the question.

- The words that are written in an answer should be assessed. Where candidates' answers do
 not state an intended meaning but this meaning is very clearly discernible credit may be given
 by discretion.
- In numerical answers, units are required.
- Answers that contain poor handwriting are not to be penalised. Examiners should mark what
 they can read and make a note to that effect. Where this is a significant factor Cambridge
 should be notified.
- An answer consisting of a list should be assessed. It is unlikely that such a response will score highly in the levels in each Assessment Objective.
- If an answer does not fit on the lined paper it should still be assessed as if it did.

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Question			Answer		Marks
1	Analyse the advantages to SU of its workers being in a trade union.				
	Level	Knowledge 3 marks	Application 2 marks	Analysis 5 marks	
	2	3 marks Two or more relevant points made about benefits	2 marks Points made are applied to SU	4–5 marks Good use of theory to explain benefits	
	1	1–2 marks One or two relevant points made about benefits	1 mark Some application to SU	1–3 marks Some use of theory to explain benefits	
	0		No creditable conter	nt	
	stakeholde Note: Alth are vali	_	•	to employees or other	
	e Ir c c c c c c c c c c c c c c c c c c	OU – Association of woonditions or similar including employees in ommitment. One body to communication one body to negouarantees employee a rade union can explainem frade union can help employee representations are trate of leaving less chance of random	rate with workers tiate pay and condition agreement in terms and condition on can enhance job so industrial action numerication with empty saving costs of cor	ass leading to greater as saves time and as and help enforce aws accurity, and cause loyees minimising cost rection	

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Question	Answer					
1	Application					
	Lower resistance to change					

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Question	Answer		Marks			
2(a)(i)	Refer to Table 1. Calculate:					
	difference in capacity utilisation between forecast production in the first six months and the most efficient level					
	Capacity utilisation = $\frac{\text{Current output}}{\text{Maximum output}} \times 100$					
	(1 mark if no relevant c	alculation)				
	Current = $\frac{100}{300} \times 100 = 33.3\%$	(1 mark)				
	Most efficient = $\frac{260}{300} \times 100 = 86.7\%$	(1 mark)				
	Difference 53.4% or rounded 87% – 33% = 54%	(3 marks)				
	% change 53.4/33.3 × 100 = 160.3%	(3 marks)				
	Other possible route:					
	160/300 × 100 (2 marks) = 53.3%.					
	Note: Do not reward 160 on its own					
	No % then 2 marks					
2(a)(ii)	Change in monthly total cost between forecast production in t six months and the most efficient level of production.	the first	2			
	TC current = \$3.20 × 100 = \$320 000 per month	(1 mark)				
	or					
	TC most efficient = \$2.20 × 260 = \$572 000 [Max 1 mark for calculation(s) of monthly total cost]	(1 mark)				
	Change = \$252 000 per month 000s and \$ required.	(2 marks)				
	% change = 78.75%	(2 marks)				
	Total cost change between first six months and most efficient level = \$1 512 000	(1 mark)				
	Deduct 1 mark for errors – no 000s and/or \$ Answer of 252 or \$252 or 252 000	(1 mark)				

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estion			Answer					
2(b)	_	your results to 2 mplementing EF	• •		Discuss the			
	Level	Knowledge 2 marks	Application 2 marks	Analysis 4 marks	Evaluation 4 marks			
	2	2 marks Two or more relevant points made	2 marks Application of two or more points to SU	3–4 marks Good use of theory to answer question	3–4 marks Good judgement shown			
	1	1 mark One relevant point made	1 mark Some application to SU	1–2 marks Some use of theory to answer question	1–2 marks Some judgment shown			
	0		No credita	ble content				
	Knowledg • E p e	ERP – The use of ourchase and use officiency of opera Role of ERP in red	of resources in a ations or similar ducing unit cost	an organisation	•			
	• R • E • R	 Link between ERP and lean production methods Role of ERP in enabling higher sales and capacity utilisation ERP is using dedicated software to integrate orders, materials, labou Role of ERP in supply chain management leading to improved customer service and competitive advantage ERP set up costs are high 						
	• D	SU assemble and ERP Delivery time impo	ortant factor for c a products make:	customers s for complex in	ments suited to			

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Question	Answer	Marks
2(b)	Analysis – advantages Might enable quick decisions on marginally priced orders maintaining sales Reduces cost of ordering and holding inventory All departments can access same information improving communication issues Enables rapid response to change and customised pricing New factory and production methods ties in with new ERP opportunity Analysis – Disadvantages ERP expensive therefore impact on profits Effectiveness relies on correct setting up and operation – training	
	required Requires accurate reliable information from suppliers and customers Evaluation	
	 Weighing up benefits and limitations (such as cost) Does not guarantee lower costs – the human factor might intervene Consideration of requirements for success, such as skills of operator or accuracy of information input. Is planned ERP a full complete system or a partial one? Consideration of relative importance of other factors 	

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Question			Answer			Marks
3	Recomme	end an appropri	ate organisatio	n structure for	SU.	16
	Level	Knowledge 2 marks	Application 2 marks	Analysis 6 marks	Evaluation 6 marks	
	2	2 marks Two or more relevant points	2 marks Application of two or more points to SU	4–6 marks Good use of theory to answer question	4–6 marks Good judgment shown	
	1	1 mark One relevant point made	1 mark Some application to SU	1–3 marks Some use of theory to answer question	1–3 marks Some judgment shown	
	0		No credita	ble content		
	Knowledg U SS CO SO D A	Inderstanding of taff, span of cont conflicts between tating advantage se of info in App propriate span	rol, communicati line and staff ma es and disadvanta endix 1	on, anagers ages of different	approaches	
	• D • D • C	con tole of line and st repartment mana resire to work tog otto's role in the halew factory being current structure,	gers arguing/cor lether nierarchy set up		n Research	
	a • D a • S • E ir	mplications of difference of a service of a	dvantages and d rm approach to a on of employees	isadvantages of all departments of of different appi	of SU roaches and	

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Question	Answer	Marks
3	 Supported recommendation on structure Weighing up advantages and disadvantages of different structures Need to manage any change – by change management/training 	

Question	Answer	Marks				
4(a)(i)	Refer to Appendix 2. Calculate:	3				
	the promotional elasticity of beach umbrellas					
	PrED/AED = % change in demand % change in promotional spending (1 mark if no relevant calculations)					
	% change in demand = +15% (1 mark)					
	% change in promotional spending = 10% (1 mark)					
	PrED/AED = 15/10 = 1.5 (3 marks)					
	If inappropriate unit e.g. % or \$ then 2 marks					
4(a)(ii)	The total contribution that Beach Umbrellas made to SU in the year ending Nov. 2018.	2				
	unit contribution = price – direct cost of production or total contribution = unit contribution × sales (units) (1 mark if no calculation)					
	unit contribution = \$5 \- \$3.50 = \$1.5 (1 mark) total contribution = 1.5 × 400 000 = \$600 000 (2 marks)					
	2 000 000 - 1 400 000 = \$600 000 (\$ required correct 000 000 required)					

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Question	Answer	Marks		
4(a)(iii)	Refer to Appendix 3. Calculate: return on capital employed after promotion spending change, stating one assumption made.	4		
	ROCE = $\frac{\text{Earnings before interest and tax (EBIT)} \times 100}{\text{Capital employed (total assets - current liabilities)}}$ (1 mark)			
	or $\frac{\text{EBIT} \times 100}{\text{Capital employed (equity + LT loans)}}$ (1 mark)			
	Or operating profit/capital employed × 100			
	(1 mark) (marks for formula if no relevant calculations)			
	$\frac{1.89}{(18-2)}$ or $\frac{1.89}{(12.50+3.50)}$ (1 mark)			
	$=\frac{1.89\times100}{16}=11.8\%$			
	Capital employed = \$16m (1 mark)			
	ROCE = 11.8% (3 marks)			
	If candidate has used 1.09/16 = 6.8% (2 marks)			
	Possible assumptions include: (also credit correct assumption if calculation incorrect) • items in statement of financial position remain the same (unlikely) • forecasts of sales revenue, cost of sales, expenses, are accurate • cost of sales per unit is total cost per unit • no change to current total unit cost or price • forecasts of sales increase is accurate • expenses remain the same even though promotional expenditure increased by \$40 000 • ARA (any reasonable answer) (1 mark)			

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Question	Answer						
4(b)	Refer to your results from $\underline{4(a)}$ and any other information. Discuss whether SU should continue to manufacture and sell beach umbrellas.					12	
	Level	Knowledge 2 marks	Application 2 marks	Analysis 3–4 marks	Evaluation 3–4 marks		
	2	2 marks Two or more relevant points	2 marks Application of two or more points to SU	3–4 marks Good use of theory to answer question	3–4 marks Good judgment shown		
	1	1 mark One relevant point made	1 mark Some application to SU	1–2 marks Some use of theory to answer question	1–2 marks Some judgment shown		
	0		No credita	ble content			
	Answers of Knowledge Fig. 1. F	Note to examiners: Own figure rule from 4 applies. L1 A and E if only use 4(a) results or only use other information Answers could include: Knowledge Profit and contribution concepts PrED/AED elasticity concepts (OFR) Product portfolio – Boston Matrix Application use of data/concepts from Appendix/case reference to promotion, beach umbrellas market conditions New product development – photo-chromatic umbrellas suitable for					
	 beach use reference to marketing manager's lack of financial knowledge 20% of sales revenue 						
	Analysis: Points for keeping beach umbrellas Positive contribution made, therefore adds to profit As part of product portfolio maintains market presence/spreads risk Loss of the 20% revenue, significant impact Elastic PED means positive response to promotion (increase total profit forecast)						
	• V p	s for stopping pro Yery competitive reproducts/cost/tight No regular repeat or reductions not reproduct to reductions not repeat to remain the reduction of t	market, therefore t margins orders, difficult t nean costs barel o reduce prices fi	need to develo o plan/forecast s y covered	sales		

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Question	Answer	Marks
4(b)	 Price reductions means costs barely covered Very likely need to reduce prices further making losses inevitable even with extra promotion Comments re accuracy of data and implicit assumptions made Uncertainty re possible competitor actions Money is spent on promotion (certain) before any possible returns making need for speedy reaction a high priority Is no change to unit cost sustainable? Need to stay in beach umbrella market in view of new product development 	

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Question			Answer			Marks
5	Discuss t	he role of produ	uct developmen	t to the future s	success of SU.	16
	Level	Knowledge 2 marks	Application 2 marks	Analysis 6 marks	Evaluation 6 marks	
	2	2 marks Two or more relevant points	2 marks Application of two or more points to SU	4–6 marks Good use of theory to answer question	4–6 marks Good judgment shown	
	1	1 mark One relevant point made	1 mark Some application to SU	1–3 marks Some use of theory to answer question	1–3 marks Some judgment shown	
	0		No credita	ble content		
	material the Answers of Knowledge Knowledge p n p n p n n	Peveloping new product development arketing planning roduct development of the product development dev	ed, e.g. within 'Pi roducts or chang ent part of marke g is setting out a res ent as part of pla ciency in use of r ient is creation o	ging/innovating e eting planning ctivities to meet anning ensures in esources f products that o	f marketing mix. Existing products specified Integrated Iffer consumers Iffer consumers If marketing mix.	
	• L	con competitive marke Imbrellas/photo-cost and lead time bility to charge pared to change pared to change pared	chromatic umbre e for developmer remium price	nt (ready in 18 m	ŕ	
	• F p • C	leed for new product developm roduct in the mar cost not guarante trategic planning ntegrated way; m	nent is about max rketing mix led to be recover I links this to the	kimising consum ed other elements o	of the mix in	

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Question	Answer	Marks
5	 Evaluation conclusion on relative importance of product development vis-a-vis other factors will require objectives to be set will need information on costings, research into market 	

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Question	Answer	Marks

Questions 6 and 7 use this marking grid:

Level	Knowledge 3 marks	Application 3 marks	Analysis 4 marks	Evaluation 10 marks	
3				7–10 marks Good judgement shown throughout with well supported conclusion/ recommendation, focused on the business in the case	
2	3 marks Good under- standing shown	3 marks Good application to the case	3–4 marks Good use of reasoned argument or use of theory to explain points made	4–6 marks Some judgement shown in the main body of the answer and an attempt to support conclusion/ recommendation, focused on the business in the case OR effective and well supported conclusion/ recommendation, focused on the business in the case	
1	1–2 marks Some under- standing shown	1–2 marks Some application to the case	1–2 marks Limited use of reasoned argument or use of theory to support points made	1–3 marks Limited attempt to show judgement either within the answer OR a weakly supported conclusion/ recommendation with some focus on the business in the case	
0	No creditable content				

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Question	Answer	Marks
6	Evaluate the importance of strategic implementation for the success of Options 1 and 2.	20
	Note to examiners: Accept reference to implementation of either option or both.	
	Answers that explain the ways that one/both options could be beneficial can gain Knowledge and Application marks if it is clear the candidate is attempting to show how strategy would be set up.	
	Answers could include: Knowledge • strategic implementation is the process that turns strategies into actions to achieve objectives • strategic implementation involves producing (a) business plan(s), and/or setting out how corporate culture may need to change, managing that change and preparing contingency/crisis plans • business plans have no set layout • plans may contain a summary and details of the product and market, plus plans for production, marketing, organisation and finances	
	 Application product in each option is same reference to export or selling country X reference to specific different marketing and production requirements e.g. option 2 requires lower production volumes consideration of any culture changes that may be needed in each option consideration of possible different contingencies in each option consideration of different levels and types of risk for each option 	
	 Analysis plans enable finance to be obtained, viability of projects/changes, give a sense of direction, assess available resources and review progress plans take time and resources/research to produce each option has a different emphasis and strategy. Plans will indicate which is most commercially viable and in what time scale Plans enable flexibility in dealing with (un)foreseen events Plans can lead to inflexibility and lack of ability to deal with changing events 	
	requires objectives to be set supported conclusion on role of strategic implementation relative importance of constituent sections of strategic implementation necessity of review/updating plans importance of accurate reliable data/information	

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Question	Answer	Marks
7	Evaluate strategic choice techniques SU might use when deciding between Option 1 and Option 2.	20
	Note to examiners: answers that contain an appropriate Ansoff's matrix and/or a force field analysis can be awarded K and App marks. For AN marks there must be a commentary that makes links or implications of the use of the techniques.	
	Do not reward SWOT and PEST with Knowledge and Application as this is Strategic Analysis	
	Answers could include: Knowledge	
	 strategic choice is the process of choosing between different strategies, using one or more of Ansoff's Matrix, force field analysis, decision trees, investment appraisal explanation of relevant tools 	
	 Ansoff's shows risk levels – both options are new product/existing market but option 1 subject to external influences e.g. exchange rates, operating in another country, reliance on partner (more risky) Allow any reasonable interpretation, for instance Option 1 as new product/new market. 	
	 Force field analysis shows differences – e.g. option 1 has higher possible sales volumes 	
	Application reference to the techniques with information drawn from case (see points above) need for objectives relating to umbrellas need for appropriate management/staff to take decisions – Otto, dept managers, directors	
	Analysis	
	 No decision tree analysis referred to – might be worth carrying out before making choice Advantages/disadvantages of the techniques need for strategic analysis alongside/prior to using the techniques 	
	 some subjectivity involved in each technique affecting reliability Evaluation 	
	 supported conclusion on importance of strategic choice comments on relative importance of techniques other possible techniques e.g. investment analysis 	

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