# Cambridge International AS & A Level

#### **BUSINESS**

Paper 3 Case Study MARK SCHEME Maximum Mark: 100 9609/31 May/June 2020

Published

Students did not sit exam papers in the June 2020 series due to the Covid-19 global pandemic.

This mark scheme is published to support teachers and students and should be read together with the question paper. It shows the requirements of the exam. The answer column of the mark scheme shows the proposed basis on which Examiners would award marks for this exam. Where appropriate, this column also provides the most likely acceptable alternative responses expected from students. Examiners usually review the mark scheme after they have seen student responses and update the mark scheme if appropriate. In the June series, Examiners were unable to consider the acceptability of alternative responses, as there were no student responses to consider.

Mark schemes should usually be read together with the Principal Examiner Report for Teachers. However, because students did not sit exam papers, there is no Principal Examiner Report for Teachers for the June 2020 series.

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

Cambridge International is publishing the mark schemes for the June 2020 series for most Cambridge IGCSE<sup>™</sup> and Cambridge International A & 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.

## 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.
- Poor grammar or spelling is not to be penalised, nor is it to be used as an excuse for rewarding unclear reasoning or explanations.
- 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 CIE 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 be assessed as if it did.
- In numerical answers units are to be preferred but are not required.
- The main Scoris 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.
- 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 when awarding marks

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.

Question			Answer		Marks	
1	Analyse the benefits to JGS of outsourcing.					
	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 JGS	3–5 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 JGS	1–2 marks Some use of theory to explain benefits		
	0 No creditable content					
	Benefits Answers Ena exp Opp No Rec Ena	examiners: Disadvantag should relate to JGS, n s could include: bles business to focus o ansion portunities for more flexil ongoing commitments o luced operating costs bles specialists to provi	ot e.g. to employees or on key issues relating to bility f wages, pensions de services	r other stakeholders.		
	<b>Application</b> could include reference to mountain walks, village families hosting accommodation and food, guides, competition for contracts.					
		<b>s</b> e implication of points ma profit, focus on key issue				

Question	Answer	Marks	
2(a)	Refer to Table 1 and lines 24–26. Calculate the:		
2(a)(i)	average seasonal variation for quarter 3		
	Identification of values for quarter 3 (1 mark)		
	$(-6000 + -14\ 000)/2 = -\$10\ 000$ (2 marks)		
2(a)(ii)	forecast sales for quarter 3 in 2021, assuming a forecast trend of \$86 560.	2	
	Forecast sales = trend plus average seasonal variation (1 mark)		
	86 560 + (-10 000) = \$76 560 (2 marks)		
2(b)	Refer to lines 20–21. Calculate the income elasticity of demand (YED) of the residents of country K for JGS tours.	2	
	YED = % change in demand / % change in income (1 mark)		
	20 / 5 = 4 (2 marks)		

Question 2(c)	Refer to your answers to 2(a) and (b) and any other information. Discuss whether sales forecasts based on past sales of JGS are likely to be						
	accurate	e. 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 JGS	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 JGS	1–2 marks Some use of theory to answer question	1–2 marks Some judgment shown		
	0		No credita	able content			
	If only ar Knowled Time Fore The Mark	e series analysis t cast is based on future may not be	) or similar inform akes into accoun bast behaviour pr have as the past vironment change	ation used max L t seasonal chang ojected into the fi es may or may no	<i>1 A and E.</i> es and trends		

#### Application

Reference to mountain walks, possible price increase, government policy on small businesses, possible changes to outsourcing conditions, market conditions in client countries, country K, possible implementation of Options

#### Analysis

- Accurately takes into account seasonal changes and trends to give reliable forecast
- Future may not reflect past behaviour exactly
- Changes to external environment may influence forecast
- Internal changes may affect take-up of holidays
- There may be reasons why less customers come from country K making forecast less accurate

#### Evaluation

- Justified conclusion as correctness of forecasts
- Technique only as good as data
- Rapidly changing market environment means forecast less accurate
- Many uncertainties reduce reliability of the forecast
- Can rapid growth of customers continue in same way?

Question		Answer						
3	approp	planning to incre riate organisatio nendation.				1		
	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 JGS	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 JGS	1–3 marks Some use of theory to answer question	1–3 marks Some judgment shown			
	0		No credita	able content	-			
	Answers could include: Any/all from: flexibility/advantages/disadvantages of temporary or flexible contracts, objectives of structure, types of structure, formal and informal structures, delegation and accountability, control, authority, trust, centralisation.							
	<ul> <li>Reg</li> <li>Jan</li> <li>Nat cus</li> </ul>	ation ange from self-em gional managers a and Gorl have dir ure of business: to tomers vernment change	nd extra office er fferent approache ourism, walks, vill	nployees s age accommodat	ion, international			
	Advanta • May • Eas • Eas Disadva • Les	from self-employ ages: y bring security to sier to administer sier to plan ahead	and commitment	-				

Question	Answer	Marks
3	<ul> <li>Centralising by owners means</li> <li>Clear goals/guidelines</li> <li>Faster decision making</li> <li>Better consistency and coordination of activities</li> <li>Formal hierarchy means clear chain of command and communications</li> <li>Managers have good knowledge of the workforce and can detect promotion candidates and direct customers to appropriate houses/guides</li> <li>Employees have clear set objectives, structure and guidance</li> <li>Customers have clear expectations that will be met hence satisfaction is increased</li> <li>Delegation to employees means:</li> <li>Employees feel valued and will be creative, faster decision taking</li> <li>Easier to detect promotion candidates</li> <li>Managers freed to focus on strategic thinking</li> <li>Employees freer to develop relationships with customers based on their individual strengths</li> </ul>	
	<ul> <li>Evaluation</li> <li>Still a small business so Jan and Gorl are able to know office and regional employees. Means either approach is beneficial</li> <li>Employee guides and hosts will be dealing directly with customers so must have some trust and authority to act in accordance with conditions as they see them</li> <li>Necessary to have control via expectations, contractual requirements and JGS policy</li> <li>Is it worth considering a change to JGS as a company to better deal with expansion and possible need for finance?</li> <li>Combination of approaches e.g. possible to have tight control of office and regional managers but more trust for villagers</li> <li>Employment contracts will inevitably mean more formality and control</li> </ul>	

Question	Answer	Marks
4(a)	Refer to Table 2. Calculate the:	
4(a)(i)	number of customers needed for a tour to break even	3
	Break even = FC / unit contribution (1) Unit contribution = price – AVC	
	Unit contribution = $480 - 370 = 110(1)$	
	Break even means zero profit or loss or formula TR=TC (1 mark) or TR = $P \times q$	
	$TC = FC + q \times VC$ FC / contribution per unit (1 mark)	
	480q = 550 + 370q 110q = 550 (1 mark)	
	Break even number of customers = 5 (3 marks)	
4(a)(ii)	total contribution from a tour with two customers	2
	Total contribution = TR – VC (1 mark)	
	$480 \times 2 - 370 \times 2 = $220$ (2 marks)	
4(a)(iii)	profit or loss from a tour with two customers.	3
	Profit/loss = TR – (FC + VC) (1 mark) Profit = Total contribution - FC	
	$480 \times 2 - (550 + 370 \times 2)$ (2 marks)	
	= -\$330 (3 marks) OR 2 × 110 - 550 = \$-330	

Refer to				Answer					
whether	Refer to your answers to 4(a) and any other information. Recommend whether a tour should go ahead with only two customers booked on it. Justify your recommendation.								
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 JGS	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 JGS	1–2 marks Some use of theory to answer question	1–2 marks Some judgment shown					
0 No creditable content									
<b>Application</b> Guides, mountain walks, foreign customers, break even 5 customers,									
• Contribution is positive (\$220) hence will contribute to fixed costs making it advisable to take the booking. More customers may appear before tour									
<ul> <li>Profit negative (-\$330) hence a loss on this trip so not advisable to take the booking, as is against policy</li> <li>Goodwill from villagers maintained as getting some income</li> </ul>									
<ul> <li>Guides may not want to look after only two and seek work from other businesses or may like small number and want more work</li> <li>Service industry focused on customers and their satisfaction so important not to let down customers who have booked leading to possible loss of business.</li> </ul>									
<ul><li>Poss</li><li>Disag</li></ul>	sible costs involve greement betwee	n Jan and Gorl co	ould harm busine	-					
	2 1 Note to e If only and Knowledg Definition Reasons Applicat Guides, r contributi Analysis • Cont advis takes • Profi the b • Good • Guid busir • Serv not t busir • Poss • Disa • Takir	Level       2 marks         2       2 marks         Two or more relevant points         1       1 mark         0       0         Note to examiners: Own fight only answer to 4(a) or site         Knowledge       0         Definitions of contribution at Reasons why a positive contribution or profit/loss question         Application         Guides, mountain walks, for contribution or profit/loss question         Analysis         Contribution is positive advisable to take the backing, as is aga         Goodwill from villagers         Guides may not want to businesses or may like         Service industry focus not to let down custor business         Possible costs involve         Disagreement betwee	Level2 marks2 marks22 marks Two or more relevant points2 marks Application of two or more points to JGS11 mark One relevant point made1 mark Some application to JGS0No creditalNote to examiners: Own figure rule from 4(a) If only answer to 4(a) or similar information of Eefinitions of contribution and profit. Reasons why a positive contribution order in Application Guides, mountain walks, foreign customers, contribution or profit/loss quoted.Analysis••Contribution is positive (\$220) hence wi advisable to take the booking. More cust takes place•Profit negative (-\$330) hence a loss on the booking, as is against policy•Goodwill from villagers maintained as g•Guides may not want to look after only businesses or may like small number and sort to let down customers who have bo business•Possible costs involved in cancelling a l Disagreement between Jan and Gorl co Taking bookings with two means less p	Level2 marks2 marks3-4 marks22 marks Two or more relevant points2 marks Application of two or more points to JGS3-4 marks God use of theory to answer question11 mark One relevant point made1 mark Some application to JGS1-2 marks Some use of theory to answer question0No creditable contentNote to examiners: Own figure rule from 4(a) applies. If only answer to 4(a) or similar information used max L1 A at Knowledge Definitions of contribution and profit. Reasons why a positive contribution order may or may not beApplication Guides, mountain walks, foreign customers, break even 5 cu contribution or profit/loss quoted.Analysis•Contribution is positive (\$220) hence will contribute to fix advisable to take the booking. More customers may app takes place•Profit negative (-\$330) hence a loss on this trip so not at the booking, as is against policy•Godwill from willagers maintained as getting some incord Guides may not want to look after only two and seek wo businesses or may like small number and want more wo service industry focused on customers and their satisfac not to let down customers who have booked leading to p business•Possible costs involved in cancelling a booking Disagreement between Jan and Gorl could harm busine Taking bookings with two means less possibility of cancel	Level       2 marks       2 marks       3-4 marks       3-4 marks         2       2 marks Two or more relevant points       2 marks Application of two or more points to JGS       3-4 marks Good use of theory to answer question       3-4 marks Good         1       1 mark One relevant point made       1 mark Some application to JGS       1-2 marks Some use of theory to answer question       1-2 marks Some induced         0       No creditable content         Note to examiners: Own figure rule from 4(a) applies. If only answer to 4(a) or similar information used max L1 A and E,         Knowledge         Definitions of contribution and profit. Reasons why a positive contribution order may or may not be accepted.         Application Guides, mountain walks, foreign customers, break even 5 customers, contribution or profit/loss quoted.         Analysis         • Contribution is positive (\$220) hence will contribute to fixed costs making it advisable to take the booking. More customers may appear before tour takes place         • Profit negative (~\$330) hence a loss on this trip so not advisable to take the booking, as is against policy         • Goodwill from villagers maintained as getting some income • Guides may not want to look after only two and seek work from other businesses or may like small number and want more work         • Service industry focused on customers who have booked leading to possible loss of business       • Possible costs involved in cancelling a booking         • Possible costs involved in cancelling a book				

Question	Answer	Marks
4(b)	<ul> <li>Evaluation Take these bookings as advantages of trip going ahead outweigh disadvantages </li> <li>Main reason is that a contribution to fixed cost is made plus the business is generating work and customers Do not take these bookings as disadvantages of trip going ahead outweigh the advantages Main reason is that a loss is made plus is against policy Another point is that the financial cost data may not be accurate. If costs turn out to be higher, then positive contribution may not be made or if costs turn out lower then more contribution is made Need to be certain of the accuracy and reliability of the data Difficult to quantify the non-financial advantages and disadvantages so better to not take these booking as only the revenue is certain</li></ul>	

Question	Answer						
5		whether JGS sho bility (CSR).	ould maintain hi	gh standards of	f corporate social	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 JGS	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 JGS	1–3 marks Some use of theory to answer question	1–3 marks Some judgment shown		
	0	0 No creditable content					
	<ul> <li>Cour</li> <li>Analysis</li> <li>CSR gove</li> <li>Build</li> <li>Enga</li> </ul>	increasingly impo rnments expect it ing CSR can lead ging with CSR wi	enquiry ortant for all busin to a marketing a Il help maintain th	esses as custom dvantage	ers, suppliers and customers visit,		
	<ul> <li>Press expe</li> <li>Enga highe</li> <li>CSR</li> <li>JGS</li> </ul>	rating more future sure group activity nse of those that o ging with CSR ca er prices and less implemented now rely on local villag ce if CSR implemented	<ul> <li>can lead to busi</li> <li>do not engage wi</li> <li>n be expensive in</li> <li>sales</li> <li>may be less expensive to provide se</li> </ul>	th CSR n resources and n pensive than in th	money and lead to ne future		
	<ul> <li>Rank</li> <li>JGS' envir reaso</li> <li>Actin</li> </ul>	on orted conclusion ing relevant facto s business is base onment. Not enga ons for customers g in advance of th rnment focus on J	rs ed on attracting c iging with CSR w to visit/buy so m ie enquiry will be	ustomers to a pa ill definitely remo ust be concerneo a selling point ar	ove some of the d with it		

Question			Answer		Marks
		Questions 6	and 7 use this ma	rking grid:	
Level	Knowledge 3 marks	Application 3 marks	Analysis 4 marks	Evaluation 10 marks	
3				7–10 marks Good judgment shown throug with well supported conclusion recommendation, focused on	on/
2	3 marks Good understandin g shown	3 marks Good application to JGS	3–4 marks Good use of reasoned argument or use of theory to explain points made to explain points made	4–6 marks Some judgment shown in the body of the answer <b>and</b> an a to support conclusion/ recommendation, focused or OR effective and well supported conclusion/ recommendation focused on JGS	ttempt i JGS
1	1–2 marks Some understandin g shown	1–2 marks Some application to JGS	1–3 marks Limited use of reasoned argument or use of theory to support points made	1–3 marks Limited attempt to show judg either within the answer OR a weakly supported conclusio recommendation with some f JGS	on/
0		1	No creditable co	ntent	

Question	Answer	Marks			
6	Evaluate whether the decision tree calculation in Table 3 is sufficient for JGS to make a strategic choice between Option 1 and Option 2.	20			
	Note to examiners: answers that contain an appropriate Ansoff's Matrix and/or Force Field Analysis can be awarded Kn and App marks. For An marks, there must be a commentary that makes links or implications of the use of the techniques.				
	Knowledge				
	Place of strategic choice in overall strategic planning				
	Explanation of decision tree method and use				
	Role of strategic choice in management				
	<ul> <li>Decision trees as one of three strategic choice techniques</li> <li>Explanation and/or drawing up of Ansoff Matrix, Force Field Analysis</li> </ul>				
	Application				
	<ul> <li>JGS opportunities – expanding business, multinational offer, extension to tourist sites</li> </ul>				
	<ul> <li>JGS threats – environmental and cultural degradation, competition</li> </ul>				
	<ul> <li>Owner objective of expansion</li> </ul>				
	JGS objective of expansion				
	Use of data in Table 3				
	Analysis				
	EMVs from Table 2 indicate preferred option is 2				
	Ansoff's indicates Option 1 is effectively Market development (medium				
	risk), Option 2 is effectively diversification (high risk)				
	<ul> <li>This analysis is reflected in decision tree figures</li> <li>Not much information to draw up a force field analysis</li> </ul>				
	<ul> <li>Strategic choice is a stage in strategic management and is based on</li> </ul>				
	setting objectives and analysis				
	Evaluation				
	Decision trees show clear understandable information				
	Takes account of risk and probability of outcomes and is objective				
	Allows for "what if" analysis				
	<ul> <li>Accuracy and reliability of decision trees rely on accurate data. No indication of how this was obtained. Does Jan have the competency to</li> </ul>				
	prepare this reliably?				
	<ul> <li>However</li> <li>Decision trees only provide quantitative information and may be based on</li> </ul>				
	poor research				
	Decision trees cannot take account of future unseen factors and only				
	provide averages				
	<ul> <li>Choice is only a part of strategic management and success depends on effective implementation</li> </ul>				
	<ul> <li>Summary/conclusion - likely to be that decision trees provide vital</li> </ul>				
	information for JGS but that other techniques are necessary for a fully				
	informed decision				

Question	Answer	Marks
7	Evaluate the significance of contingency planning for JGS as it prepares to implement its future strategies.	20
	Answers could include:	
	Explanation of contingency planning process possibly including examples	
	<ul> <li>Place of contingency planning in strategic management</li> </ul>	
	Application	
	<ul> <li>Reference to JGS plans for the future including expansion of mountain walks, changes to structure, Options 1 and 2</li> </ul>	
	<ul> <li>Applicable activities – guides, village accommodation, internet marketing</li> </ul>	
	<ul> <li>Applicable activities – guides, village accommodation, internet marketing</li> <li>Market conditions – CSR considerations (government enquiry), possible rise of competition, income changes in client countries</li> </ul>	
	Analysis	
	Discussion of current activities and their risks	
	Possible changes and the risks involved in them	
	<ul> <li>Linking process of contingency planning to present and to possible futures for JGS</li> </ul>	
	<ul> <li>Possible effects of successful contingency planning and/or implications of not carrying it out</li> </ul>	
	advantages	
	Facilitates quick response	
	Enables effective PR if needed	
	Provides confidence for managers and stakeholders     disadvantages	
	Expensive in resources and time that may not be actually used	
	<ul> <li>Needs constant updating/reviewing and takes focus away from core activities</li> </ul>	
	• Having a contingency plan might mean a problem is thought to be covered so it is no longer considered	
	Relation of contingency planning to review and process of strategic management	
	Evaluation	
	<ul> <li>Conclusion on how essential contingency planning is</li> </ul>	
	Requires objectives and to be set in the process of strategic management	
	<ul> <li>Success of contingency planning only as good as the information it is based on. This may be unreliable or inaccurate.</li> </ul>	
	• JGS faces change, whatever the outcome of decisions on expansion,	
	structure or the 2 Options so it is essential to be prepared for results of	
	whatever change happens	
	<ul> <li>Small organisation run by expert owners so may not need formal process of contingency planning</li> </ul>	
	<ul> <li>Supported conclusion on role of contingency planning in the process of</li> </ul>	
	strategic management	
	Comparison on importance of contingency planning compared to other elements of strategic management	

# Question 2 (a)(ii) checking/justification

	Moving Average	Seasonal Variation	Average Seasonal Variation	4 quarter total	8 quarter total	sales
Q3						34
Q4				162		78
Q1	41.50	-1.50		170	332	40
Q2	45.00	-35.00		190	360	10
Q3	48.00	-6.00	-10	194	384	42
Q4	50.00	48.00		206	400	98
Q1	52.25	-8.25		212	418	44
Q2	56.75	-34.75		242	454	22
Q3	62.00	-14.00		254	496	48
Q4	64.25	63.75		260	514	128
Q1						56
Q2						28

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