

GCE

Applied Business

Unit **F248:** Strategic Decision Making

Advanced GCE

Mark Scheme for June 2015

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This mark scheme is published as an aid to teachers and students, to indicate the requirements of the examination. It shows the basis on which marks were awarded by examiners. It does not indicate the details of the discussions which took place at an examiners' meeting before marking commenced.

All examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes should be read in conjunction with the published question papers and the report on the examination.

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Annotations

?	The response given is 'Unclear' to the marker.			
BOD	BDD 'Benefit of doubt' but credit given.			
CONT	To indicate the response is in 'Context' of the relevant case study.			
×	Response is incorrect, no credit can be given.			
L1	Use for Level of response answers to indicate Level 1.			
L2	Use for Level of response answers to indicate Level 2.			
L3	Use for Level of response answers to indicate Level 3.			
L4	Use for Level of response answers to indicate Level 4.			
NAQ	The response is not incorrect but has 'Not answered the question'.			
OFR	Own figure rule. Use where indicated in the mark scheme.			
REP	'Repeat' Response repeats the same marking point.			
SEEN	'Noted but no credit given' or to indicate all or part blank answer pages have been seen by the marker.			
✓	Correct point/answer. Credit can be given.			

Subject-specific marking instructions

Testing of QWC

In this external assessment the assessment of QWC will take place in Question 3c which is a levels of response question and carries 14 marks.

Marks are embedded within this question for assessing the quality of written communication. The following criteria are embedded within the levels of response for Question 3c.

Level 4:

Ability to present relevant material in a well planned and logical sequence. Material clearly structured using appropriate business terminology confidently and accurately. Sentences, consistently relevant are well structured in a way that directly answers question. There will be few, if any errors of grammar, punctuation and spelling.

[4 marks representing the appropriate level of written communication are embedded in this level of response].

Level 3:

Ability to present relevant material in a planned and logical sequence. Appropriate business terminology used. Sentences for the most part relevant presented in a balanced, logical and coherent manner which addresses the question. There will be occasional errors of grammar, punctuation and spelling.

[3 marks representing the appropriate level of written communication are embedded in this level of response]

Level 2:

Limited ability to organise relevant material. Some appropriate business terminology used. Sentences are not always relevant with material presented in a way that does not always address the question. There may be noticeable errors of grammar, punctuation and spelling.

[2 marks representing the appropriate level of written communication are embedded in this level of response]

Level 1:

Ability to communicate at least one point using some appropriate business terminology. Sentences have limited coherence and structure, often being of doubtful relevance to the main focus of question. Errors of grammar, punctuation and spelling may be noticeable and intrusive.

[1 mark representing the appropriate level of written communication is embedded in this level of response]

Question	Answer	Mark	Guidance
1 (a)	Use level of response criteria. Indicative content:	2 2	Guidance AO1: 2 L2 – 2 marks – specific answer which applies to objectives (rather than aims). L1 – 1 mark – vague answer about goals which could apply to aims or objectives. NB the question as what is the meaning of the term 'business objective. Do not award benefits, eg gives a clearer sense of direction. Do not award reasons for setting objectives 'to help meet the aims'. No context required.

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Question		Answer	Mark	Guidance
1	(b)	Indicative content:	2	AO2: 2
		example which is measurable		
		example with time frame.		Up to two marks.
		Exemplar responses:		One mark for criterion which can be measured (numerical value required).
		Eg To make £50,000 profit (1) in 2015 (1) .		One mark for time frame ('per annum' insufficient as time frame).
		Eg To increase profits by 5% (1) over the next three years		
		(1).		Must be a profit objective (not revenue or costs).
		Eg To make more profit than last year (0).		Must be appropriate to 155 Ltd.

C	Question		Answer		Guidance
2	(a)	(i)	Indicative content:	6	AO1: 3 AO2: 3
	T				AO1: 3 AO2: 3 Up to six marks. 1 marks for each label if seen - FC, TC, TR (sales/revenue/ SR) 1 mark for each correctly drawn line. NB. Allow a tolerance of plus or minus one small square on the grid. FC 1.2m TC (0, 1.2m) to (80,000, 2.8m) TR (0,0) to (70,000, 2.8m) to (80,000, 3.2m)
			0.4 0.2 0 10 000 20 000 30 000 40 000 50 000 60 000 70 000 80 00		Drag down overlay for correct line positions (if required).

Question	Answer	Mark	Guidance
(b)	Indicative content: Iower fixed costs Iower variable cost Increase revenue Increase selling price Increase selling price Increase sales Icercase selling price to increase quantity sold (PED) Increase selling price to increase quantity sold (PED) Increase advertising price to increase quantity sold (PED) Increase quantity sold (P	3	A01: 3 One mark for each correct identification up to a maximum of three identifications. NB This question relates to profitability, not lowering the break-even point. Accept specific examples. No context required. Do not award increase capacity or increase output.

Question	Answer	Mark	Guidance
Question 3 (a)	Indicative content: Labour productivity: 8.47 cues per worker per day (2) Or if incorrect award workings: 61000/7200 (1) Wastage rate: 5% (2)	Mark 8	AO1: 4 AO2: 4 Up to eight marks (up to two marks for each of four calculations). No workings required. Workings should only be marked if an answer is incorrect, in which case award one mark for each correct use of formula.
	OR if incorrect award workings: 3050/61000 (1) Rate of labour turnover: 16.67% (2) Or if incorrect award workings: 5/30 (1) x 100 Rate of absenteeism: 6.5% (2) Or if incorrect award workings: 468/7200 (1) x 100		Award two marks for each of the following: Labour productivity 8.47 (or 8) (Do not accept 9) Wastage rate = 5% Rate of labour turnover 16.67% (or 17%) (Do not accept 16%) Rate of absenteeism = 6.5% (or 7%) (Do not accept 6%)

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Question	Answer	Mark	Guidance
3 (b)	Indicative content: greater co-operation work harder greater productivity less waste improve quality improve customer service fewer staff leaving fewer days off increased output increased sales more profits reach break-even point faster better working relationships. Exemplar responses: Eg The workers are likely to work harder producing more cues per day (2). Eg Workers are likely to take less time off work because they enjoy working for the company (1).	6	Up to two marks for each explanation to a maximum of three explanations. Award two marks for each contextual response. Award one mark for each generic response. Must relate to production staff. Must be benefits to the business (not to staff or customers). Do not award 'better morale' or 'improve motivation'. Do not award ways of improving motivation. Do not award 'job security'. Do not award promotion prospects. Accept explanations relating to cause or consequence.

C	Question	Answer	Mark	Guidance
3	(c*)	Use levels of response criteria.	14	AO1: 2 AO2: 3 AO3: 4 AO4: 5
		Indicative content:		QWC is assessed in this part of the question.
		 better working conditions better staff facilities improved health and safety 		Levels of response
		 motivation package reward multi-skilled workers reward long service 		Level 4 (10 – 14 marks) Candidate evaluates ways of increasing the motivation levels of production staff at 155 Ltd.
		 increase pay for supervisors change of absence rules use a bonus system employee of the month scheme pay rise 		Level 3 (6 – 9 marks) Candidate analyses the benefits and drawbacks of the ways of increasing the motivation levels of production staff at 155 Ltd.
		 allay redundancy fears job enrichment greater training opportunities remove the card machine 		Level 2 (3 – 5 marks) Candidate applies knowledge and understanding of ways to increase the motivation levels of production staff at 155 Ltd.
		 share ownership scheme change of management style allow more flexible working 		Level 1 (1 – 2 marks) Candidate identifies ways of increasing the motivation levels with no context.
		 Involve workers in decision-making set production targets human resource management – hard/soft. 		Please indicate each time a candidate achieves a particular level as this will help you allocate marks within that level.
		Exemplar response:		Context should be annotated every time L2/L4 is awarded with the 'CONT' annotation.
		Eg Motivation levels can usually be increased with a pay rise (L1) . As <i>155 Ltd</i> 's production workers have not had a		Non-contextual answer max Level 1.
		pay rise for five years (CONT) they are likely to respond well to a pay rise (L2). However, the increased motivation is likely to be short-lived once the workers take their new pay rate for granted (L3). Alec and Sue might be better dealing with the health and safety issues in the factory (L1), especially the dust (CONT) from the grinders (L2).		Do not award cause.

Question	Answer	Mark	Guidance
	This will increase motivation by making the employees feel valued and respected and have the added benefit of complying with current legislation (L3). Whilst providing the necessary breathing equipment (CONT) will cost money, it is likely to cost much less than paying 30 workers an increased pay rate week on week, and it is, therefore, a much more appropriate method for Alec and Sue to use (L4).		

Q	Question		Answer	Mark	Guidance
4	(a)	(i)	Indicative content:	1	AO2: 1
			Activity F: Bonding time for butt.		
					For one mark.
			Exemplar responses:		
			Ea Bonding time for butt (1)		
			Eg Bonding time for butt (1).		
			Eg F (1) .		

Question		on	Answer	Mark	Guidance
4	(a)	(ii)	Indicative content:	1	AO2: 1
			Activity D: Make shaft)		
			AND) Both correct for one mark.		For one mark.
			Activity E: Build butt)		
					Do not award if additional activities are suggested, eg D, E
			Exemplar responses:		and F.
			Eg D and E (1) .		
			Ly D and L (1).		
			Eg Make shaft, build butt (1) .		

Q	Question		Answer	Mark	Guidance
4	(a)	(iii)	Indicative content: 20 minutes. Exemplar responses: Eg 20 minutes (1). Eg 20 (1).	1	AO2: 1 For one mark. Units not required.

C	uesti	on	Answer	Mark	Guidance
4	(a)	(iv)	Indicative content: 76 minutes. Exemplar response: Eg 76 minutes (1)	1	AO2: 1 For one mark. Units required.
			Eg 1 hour 16 minutes (1)		

Q	uesti	on	Answer	Mark	Guidance
4	(a)	(v)	Indicative content: A - C - E - F - G - H - I - J - K Exemplar responses: Eg ACEFGHIJK (1). Eg Select timber, Cut ash, Build butt, Bonding time for	1 1	AO2: 1 For one mark. Must be in correct order.
			butt, Assemble cue, Apply lacquer, Drying time for lacquer. Quality check, Label and package (1).		

Quest	tion	Answer	Mark	Guidance
4 (b)		Use levels of response criteria.	8	AO1: 2 AO2: 2 AO3: 2 AO4: 2
4 (b)		Indicative content: can order timber and fittings at the correct time minimise timber storage avoid bottlenecks avoid workers being idle can calculate slack time better usage of slack time better usage of slack time EST / LFTs calculated motivation monitoring delays are costly can deal with complex production process, especially if computer programmed can order tasks effectively work out the minimum time for completion of an order more accurate monitoring of progress identify the critical path in order to give it extra attention can put additional resources on the critical path maximise capacity utilisation minimise costs and wastage better schedule tasks/resources minimise production time save money maximise profit better scheduling leading to better morale use for target setting/motivation Sue previously worked in IT Alec's lack of computer skills Alec's dislike of computers useful for planning	8	Levels of response Level 4 (7 – 8 marks) Candidate evaluates the usefulness of critical path analysis to 155 Ltd. Level 3 (5 – 6 marks) Candidate analyses the usefulness of critical path analysis to 155 Ltd. Level 2 (3 – 4 marks) Candidate applies knowledge and understanding of critical path analysis to 155 Ltd. Level 1 (1 – 2 marks) Candidate identifies factor(s) relating to critical path analysis with no of context. Please indicate each time a candidate achieves a particular level as this will help you allocate marks within that level. Context should be annotated every time L2/L4 is awarded with the 'CONT' annotation. Non-contextual answer max Level 1.
		attention can put additional resources on the critical path maximise capacity utilisation minimise costs and wastage better schedule tasks/resources minimise production time save money maximise profit better scheduling leading to better morale use for target setting/motivation Sue previously worked in IT Alec's lack of computer skills Alec's dislike of computers		level as this will help you allocate marks within that level. Context should be annotated every time L2/L4 is awarded with the 'CONT' annotation.

Question Answer	Mark	Guidance	
does not take into accounts external factors simultaneous tasks. Exemplar response: Eg Critical path analysis puts activities into their most efficient sequence (L1). It will, therefore, show 155 Lt the fastest way to make a snooker cue (CONT) (L2). Will allow the company to increase output and, much needed, profitability (L3). However, given that the production of snooker cues (CONT) is quite complex it likely that the critical path analysis would need to be do using a computer. Since Alec, who knows the most about the production methods, shows no intention of using a computer, this production tool may not be as useful to	d This is one out	Guidance	

Question	Answer	Mark	Guidance
5 (a)	 Indicative content: quantitative indicators – numerical/statistical/data based, capable of being proven/ disproven, objective, scientific qualitative indicators – non-numerical, based on opinion/feelings/perceptions, non-numerical, subjective, not-provable Exemplar responses: Eg Qualitative data is based on opinion (1), whereas quantitative data is based on numbers/figures (1). Eg Quantitative is based on numbers/figures (1), whereas qualitative is non-numerical (1). Eg Quantitative is based on numbers/figures (1), whereas qualitative is not (0). Eg One is based on numbers and one is not (0). 	2	Up to two marks. Do not award examples. For any marks the response must indicate which is which. Award zero marks if the terms are confused or not stated. Do not award vague statements such as "qualitative is about quality" or inaccurate statements such as "qualitative is about written data". Do not award 'internal/external'. No context required.

Question	Answer	Mark	Guidance
5 (b)	Indicative content: political changes environmental changes social trends eg changes in customer buying patterns cultural change technological changes. legal changes ethical changes globalisation increased competition growth	3	One mark for each correct identification up to a maximum of three identifications. NB question asks for indicators rather than factors. Change required to award mark – look for change, new, stop, more, trend, tendency, increased, reduced, different, keep up etc

Exemplar responses:	Do not award quantitative or internal indicators. Must be a non-numerical external factor. All economic indicators are quantitative.
Eg A change in government policy (1). Eg More people purchasing goods on the Internet (1).	External indicators are outside of a firm's control do not award arguments relating to location, suppliers, employees, owners etc.
	Accept specific examples.
	No context required.

Question	Answer	Mark	Guidance
5 (c)	Use levels of response criteria.	4	AO1: 2 AO2: 2
	 Indicative content: ARR calculates the rate of return ARR looks at profitability over time ARR shows investment yield PB only looks at speed of payback PB ignores returns on investment after payback PB assumes the shorter the payback period the better the investment. 155 Ltd – profitability issues 155 Ltd - cash-flow not a problem 10 year variable rate mortgage break-even/survival of company 		Level 2 (3 – 4 marks) Candidate applies knowledge and understanding of ARR/payback to 155 Ltd and its situation. Level 1 (1 – 2 marks) Candidate shows knowledge of ARR/payback with no use of context. Do not award answers referring to investment appraisal tools in general. Eg Do not award 'helps a firm judge whether an investment is worthwhile'.
	 break-even/survival of company Alec and Sue's retirement fund. Exemplar responses: Eg Payback only looks at how long it takes to payback the original budget spend (L1). It does not take into account the investment yield which will be earned (L1). Eg Since 155 Ltd does not appear to have cash-flow problems (CONT) the speed at which the investment is recouped is not too much of a problem for it (L2). What matters to 155 Ltd is that it makes a decent return on its investment in order to fund Alec and Sue's retirement (CONT), making ARR more important to the business (L2). 		

Question	Answer	Mark	Guidance
6 (a)	Use levels of response criteria.	4	AO1: 2 AO2: 2
	Indicative content: assesses risk market penetration, product development, market development and diversification (product/market) proposal – market development (same product, new market) or diversification (new product, new market). proposal level of risk – medium/high risk/greater than current level of risk/increased risk gauge/accept/avoid the risk. Exemplar responses: Eg Ansoff's Matrix can be used to categorise a proposal by quadrant (L1). Diversification is the most risky (L1). Market penetration is the least risky (L1). Eg Selling snooker cues to China fits into the market development quadrant (CONT) of Ansoff's Matrix (L2). This has a higher level of risk than 155 Ltd's current operations (L2). Eg Selling maple snooker cues to China would be classified as selling a new product in a new market (CONT) (L2). This would be a high risk strategy (L2)		Level 2 (3 – 4 marks) Candidate applies knowledge and understanding of Ansoff's Matrix to 155 Ltd's proposal to mass produce snooker cues for export to China. Level 1 (1 – 2 marks) Candidate shows knowledge of Ansoff's Matrix with no use of context. Do not award answers referring to decision-making tools in general. Eg Do not award 'helps a firm make a decision'. Do not award limitations/drawbacks because the question asks how Ansoff's Matrix can help. Do not award reference to current position (market penetration) as this does not answer the question. Non-contextual answer max Level 1. No matter how detailed a candidate's knowledge Ansoff's Matrix if it is not applied to 155 Ltd it must be awarded L1 and a maximum of two marks. A candidate who has given a simple but accurate response applied to 155 Ltd 's proposal must be awarded Level 2 and a minimum of three marks. Level annotation required.

Que	stion	Answer	Mark	Guidance
6 (8	(a)	 Indicative content: only considers market positioning only based on risk risk is dependent on more variables than market positioning complex projects are difficult to position within the matrix qualitative/subjective/non-numerical does not take into account the cost of the investment does not take into account the expected yield does not take into account external factors does not consider time frame no quantitative/financial analysis. 	4	AO1: 2 AO2: 2 One mark for each correct identification up to a maximum of two identifications, plus a further one mark for each of two explanations. Do not award answers referring to decision-making tools in general. Eg Do not award 'depends on the skills of the decision maker' or 'it is only a prediction' or 'it is time consuming' as this applies to all decision-making tools. No context required.
		Exemplar responses: Eg A proposal which appears low risk on Ansoff's Matrix, eg market penetration (1), may be adversely affected by external factors, such as exchange rates, which Ansoff's Matrix does not consider (1). Eg Alec and Sue need to consider the cost of the proposal when deciding the level of risk (1). Ansoff's Matrix does not take financial factors into consideration (1).		

Question	Answer	Mark	Guidance
7 (a)	Indicative content: exchange rates interest rates inflation rates unemployment rates economic growth/GDP disposable income standard of living. Exemplar response: Eg The rate of inflation (1). This measures the rate at which the general level of prices is rising (1). Eg Employment levels need to be taken into account (1). This is the number of people who are earning a wage by doing a job (1).	6	One mark for each correct identification up to a maximum of three identifications, plus a further one mark for each of three developments. Must be economic. Do not award 'state of the economy', 'recession', 'credit crunch' etc – the question asks for factors. Do not award 'tax' as this is a political factor. NB The question asks for a description of the factor not an explanation of impact or importance. Description required for second mark, not explanation. No context required.

Question	Answer	Mark	Guidance
7 (b)	Use levels of response criteria.	20	AO1: 2 AO2: 4 AO3: 6 AO4: 8
7 (b)	Indicative content: economic factors – exchange rate, interest rate(s), inflation rates, unemployment, recession, 'credit crunch' – UK economic factors – exchange rate, interest rate(s), inflation rates, unemployment, economic growth – China economic stability government policy – taxation, investment incentives social trends - increased popularity of snooker in China – popularity in UK? market confidence likelihood of success? solution to current profitability problems? finance – 10 year variable rate mortgage ARR 28% payback 12 years strength of marketing campaign revenue/pricing policy sponsorship of top class Chinese snooker player – 1,000,000Y/£100,000 - cost/benefit need to improve profitability need to fund Alec and Sue's retirement effects on cash-flow returns on investment new/unknown market currency conversion – Chinese Yuan	Mark 20	Level 4b (17 – 20 marks) Candidate evaluates Sue's proposal to mass produce snooker cues for export to China with comprehensive contextual justification. Level 4a (13 – 16 marks) Candidate evaluates Sue's proposal to mass produce snooker cues for export to China with weak contextual justification. Level 3b (10 – 12 marks) Candidate analyses strength(s) and weakness(es) of Sue's proposal to mass produce snooker cues for export to China. Level 3a (7 – 9 marks) Candidate analyses strength(s) or weakness(es) of Sue's proposal to mass produce snooker cues for export to China. Level 2 (3 – 6 marks) Candidate applies knowledge and understanding of 155 Ltd's proposed change in strategic direction. Level 1 (1 – 2 marks) Candidate identifies factor(s) involved in changing strategic direction with no context. Please indicate each time a candidate achieves a particular
			Please indicate each time a candidate achieves a particular level as this will help you allocate marks within that level. Context should be annotated every time L2/L4 is awarded with the 'CONT' annotation.

Question	Answer	Mark	Guidance
	 impact on 155 Ltd brand image current performance of production workers impact of workforce/staffing issues retention of skilled workforce new management structure required large undertaking economies/diseconomies of scale automation – disliked by Alec computerisation – liked by Sue competition economic stability government policy – taxation, investment incentives availability of credit – domestic/commercial market confidence practical and operational matters. 		Non-contextual answer max Level 1.
	Exemplar response: Eg Exchange rates are always unpredictable (L1). By entering the export market 155 Ltd would have to deal with the (constantly) changing value of the Chinese Yuan (CONT) to the Pound Sterling (L2). This would make break-even and profit levels far more dependent on external variables than they are currently (L3). Furthermore, the company would be using inferior maple (CONT) instead of ash to make the cues (L2). Since 155 Ltd has always traded on quality this may have a negative impact on the company's reputation (L3) and sales (L3). I think that 155 Ltd should go ahead with Sue's proposal. The Chinese Yuan (CONT) to Pound Sterling has remained relatively stable over recent years and should not affect profitability too much (L4). Furthermore, since the majority of 155 Ltd's competitors already use maple (CONT) this might not have as detrimental an effect on the company's image as at first thought (L4).		

OCR (Oxford Cambridge and RSA Examinations) 1 Hills Road Cambridge **CB1 2EU**

OCR Customer Contact Centre

Education and Learning

Telephone: 01223 553998 Facsimile: 01223 552627

Email: general.qualifications@ocr.org.uk

www.ocr.org.uk

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OCR (Oxford Cambridge and RSA Examinations) Head office

Telephone: 01223 552552 Facsimile: 01223 552553



