

GCE

# **Applied Business**

Advanced GCE F242

Understanding the Business Environment

# **Mark Scheme for June 2010**

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Mark schemes should be read in conjunction with the published question papers and the Report on the Examination.

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Question	Expected Answer	Mark	Additional Guidance
1 (a)	State two different examples of fixed and variable costs that a business could reduce in order to improve its cash-flow.	[4]	Accept any reasonable examples, generic response.
	One mark for each correct identification up to a maximum of four identifications  FC – rent, rates, mortgage, insurance, salaries of permanent employees, cost of ownership eg loan repayments, maintenance, advertising Electricity/gas (would be fixed in a shop).  VC – building materials, builders' wages, raw materials telephone bill, gas bill, stock, petrol, transport costs, any generic examples.  Most examples can be classified as both fixed and variable costs depending on the type of business, except salaries, rent and rates, mortgage loan, insurance, which must be fixed and raw materials, stock, wages, which must be variable.		AO 1 – 1 x 4 marks  Treat 'wages' as VC unless qualified e.g. 'director's wages.  Do not accept (DNA) vague answers e.g. premises, transport, energy, bills.  DNA equipment, machinery or furniture as these are assets not costs.
(b)	What is the difference between fixed and variable costs?  Up to two marks  Fixed costs do not vary according to output/sales/level of activity/sales performance (1) whereas variable costs do (1).	[2]	Candidate must refer to output/sales/level of activity/sales performance to gain any marks. Second mark is for the reverse argument.  DNA references to profit/loss.  AO1 – 2 marks

Question	Expected Answer	Mark	Additional Guidance
(c)	Explain how a building firm such as Taylor Wimpey could improve its cash-flow by cutting the prices of its new homes.	[3]	Award marks as follows:  1 mark for stating the effect(s) of a price cut.
	Up to three marks		2 marks for the development of their point/impact on cash-flow.
	Indicative content:		Note – DNA profit/loss.
	<ul> <li>Increase sales</li> <li>Increase demand</li> <li>Increase cash inflow</li> <li>Increase customers</li> <li>Increase customer interest</li> <li>Increase affordability</li> </ul>		AO1 – 1 mark AO2 – 2 marks
	Exemplar response: By reducing the prices the firm hopes to increase sales/attract more customers (1). More people can afford the houses (1). This increases the inflow of money into the business (1).		

Question	Expected Answer	Mark	Additional Guidance
(d)	Why it is vital for any businesses to maintain a healthy cash-flow?  Up to two marks Indicative content:  Obtaining finance Survival	[2]	Focus on the importance of having enough cash to run a business and the effect(s) of a lack of funds.  Do not award marks for profit/loss.
	<ul> <li>Pay running costs</li> <li>Cope with changes</li> <li>Invest in the future</li> </ul>		AO1 – 2 marks
	Exemplar response:  A healthy cash-flow means that a business has the money for the day-to-day running of the business (1). Without money a firm cannot finance its debt and would collapse (1).		
	A healthy cash-flow means a business can afford any changes in costs/unexpected costs (1). To secure finance from banks (1).		

Question	Expected Answer	Mark	Additional Guidance
2 (a) (i)	Using the information in the table below, construct and label a breakeven chart for Becky's proposed property letting and management business if she were to 'go it alone'.  Up to eight marks  Y-axis – costs/revenue (1), money (1), £ (1) X-axis – (number of) properties/houses (1), output (1), quantity (1), sales (1) Fixed cost (1), Total costs (1), Revenue/Sales (1) 1 mark for each correct line drawn.  FC – 150 TR – at 8 properties – 624 TC – at 8 properties – 374 BEP – 3 properties	[8]	5 marks for the labels, FC, TC, TR, £, Number of properties. 3 marks for the lines / break even point. AO1 – 5 marks AO2 – 3 marks  Abbreviations are acceptable.  Mark the 5 labels, then turn on the overlay for accuracy of lines.  Allow a tolerance of plus or minus one small square on the grid.
(ii)	State the break-even quantity per month.  Break-even quantity = 3 OFR	[1]	Answer must be rounded up to the nearest whole number.  If any answer other than 3 given, then check break-even chart for OFR.  AO2 – 1 mark

Question	Expected Answer	Mark	Additional Guidance
(b)	Becky thinks that she would be able to manage 10 properties in a month if she were to 'go it alone'. Calculate her commission per month if she manages 10 properties.	[2]	2 marks for £780 without workings.  AO1 – 1 mark AO2 – 1 mark
	Up to two marks: Award 2 marks if £780 is seen irrespective of method used. Otherwise, max 1 mark for any of the following numbers: 78 (1) or 6500 (1).		
	Responses include:		
	£650 x 0.12 = £78 £650 x 0.12 x 10 £650 x 0.12 x 10 0 £78 x 10 £780 (2) £6500 x 0.12 £780 (2)		
	Exemplar response:		
	£650 x $0.12 = £78 (1)$		
	£780 -2 marks without workings		

Question	Expected Answer	Mark	Additional Guidance
(c)	Calculate the monthly profit or loss if Becky is only able to manage six properties on a 'go it alone' basis.  Up to four marks  Profit/loss = $TR - TC$ (1) Revenue = $6 \times £650 \times 12\% = £468$ (1) $TC = £28 \times 6 + £150 = £318$ (1) Profit/loss = £468 - £318 = £150 (1) OFR applies  Contribution method Selling price – variable cost (1) £50 $\times 6 = £300$ (1) - £150 (1)=£150 (1)  Exemplar response: $6 \times £650 \times 12\% = £468$ (1) £150 (4)	[4]	Award full marks for £150 if no workings are shown.  If not, TR = 468 (1) TC = 318 (1) TR-TC (stated or used) (1) OFR applies  AO1 - 2 marks AO2 - 2 marks  Award 1 mark if candidates apply the formula (profit = TR - TC) correctly even though they fail to work out TR accurately.
3 (a)	Becky has estimated her capital budget at £2 500. She would like to spend as close to her budget as possible. She feels, however, that she can tolerate a variance of + or – 5%. Calculate the maximum and minimum figures she is prepared to spend on capital equipment.  Up to three marks  £2500 x 5% = £125 (1)  Maximum = £2500 +£125 = £2625 (1) OFR applies  Minimum = £2500 - £125 = £2375 (1) OFR applies  Exemplar response:  Variance = £250, Max = £2500 + £250 = £2750 (ofr 1 mark)  Min = £2500 - £250 = £2250 (ofr 1 mark)	[3]	Look out for own figure rule. If candidate calculates 5% incorrectly and uses this figure OFR applies – max 2 marks.  AO2 – 3 marks

Question	Expected Answer	Mark	Additional Guidance
(b)	Explain why businesses have to set budgets for their expenditure.	[2]	Accept any reasonable answers eg gives Becky direction, helps achieve targets.
	Up to two marks		julia
	Indicative content:		DNA references to going into debt or
	It is a planning tool		breaking even.
	Avoid overspending		
	Monitoring		AO1 – 1 mark
	Controlling		AO2 – 1 mark
	Target setting		
	Motivation tool		
	Performance indicator		
	Ensure business runs smoothly		
	Exemplar response:		
	Budgets help Becky to plan (1) her spending according to funds available. They help her not to overspend (1).		
	Budgets are key performance indicators (1). They allow businesses to monitor their performance (1).		
	Budgets allow businesses to plan ahead (1) to ensure smooth running of the business (1).		
	To motivate employees (1) as it gives them a target to work towards (1). To prevent overspending (1).		

Question	Expected Answer	Mark	Additional Guidance
(c)	What is meant by the term 'franchise'?	[2]	DNA examples
	Up to two marks Indicative content:		AO1 – 2 marks
	<ul> <li>Possible response may include:</li> <li>a contractual relation between two firms in which one purchases the right (1) to use the name (1) of another firm;</li> <li>the purchase/acquisition (1) of the right to trade using a the business format (1) of an existing firm;</li> <li>to trade under an established brand (1) in exchange for a percentage of the profit (1)</li> </ul>		

Question	Expected Answer	Mark	Additional Guidance
(d)	Explain two advantages of being a franchisee	[4]	Candidate does not have to answer in context.
	One mark for each correct identification up to a maximum of two identifications, plus up to a further 1 mark for each of the		DNA disadvantages.
	explanations.		AO1 – 2 marks
	Indicative content:		AO2 - 2 marks
	Support/help from franchisor		
	Training		
	Established customer base		
	Well-known name		
	Tried and tested method of trading		
	Less chance of failure		
	Lower risk of failure		
	Ensure smooth running of business		
	Benefit from franchisor's marketing campaign		
	Lower running costs		
	Exemplar responses:		
	• support from franchisor (1), this could be in the form of training (1)		
	<ul> <li>trading under a well-known name (1), this ensures an established customer base (1)</li> </ul>		
	<ul> <li>offer of a tried and tested method of trading (1), this ensures business will be run smoothly (1)</li> </ul>		
	an established customer base (1), less chance of the business failing (1)		
	when the franchisor advertises your business will benefit from the publicity (1) so saving running costs (1)		

Question	Expected Answer	Mark	Additional Guidance
(e)	Becky is considering purchasing a franchise with a start-up cost of £12000. Other than a bank loan, identify two possible sources of finance that Becky could use to fund this £12 000 start-up cost.  One mark for each correct identification up to a maximum of two identifications	[2]	Only award sources of finance available to small businesses for starting a business. <b>AO1 – 2 marks</b> Do not accept venture capitalist, business angel, bank/building society loans,
	Indicative content:		mortgage, selling fixed assets, overdraft, leasing, debenture, taking on a partner, Princes Trust.
	<ul> <li>government grant/loan</li> <li>remortgaging her home</li> <li>credit cards</li> <li>selling (personal) assets.</li> </ul>		DNA vague answers, eg capital.
(f)	Becky can obtain a bank loan for £12 000 at the cost of 6% per annum which has to be repaid over 4 years. Calculate her monthly repayments.  Up to three marks Award 3 marks if £310 is seen irrespective of method used. Otherwise, max 2 marks for any of the following numbers: 720 (1), 2880 (1), 14880 (1), 60 (1), 250 (1).	[3]	£310 with/without workings = 3 marks  Check workings only if the answer is wrong.  AO1 - 1 mark  AO2 - 2 marks
	Exemplar response: £12000 @ 6% = 720 (1) 720 x 4 = 2880 (1) £12000 @6% = £720 (1) £720/12 = £60 pm (1) £12000/48 = £250pm (2 max) £310 (3)		

Question	Expected Answer	Mark	Additional Guidance
(g*)	Discuss whether Becky should set up her proposed property and	[12]	L1: [1-3 marks]
	management business as a franchise or 'go it alone'.		[1 mark] – candidate states one
			ownership with no context; often name-
	Level 1 (1-3 marks)		dropping. [2-3 marks] – candidate
	Candidate states point(s) about ownership with no context.		describes both ownership with no
			context; often name-dropping.
	Level 2 (4-6 marks)		L2: [4-6 marks]
	Candidate describes advantage(s)/disadvantage(s) of ownership with		[4 marks] – candidate describes/explains
	context.		advantages or disadvantages of one
	Level 3 (7-9 marks)		ownership suitable for Becky. [5-6 marks] - candidate describes/explains
	Candidate analyses advantage(s) and disadvantage(s) of ownership		advantages or disadvantages of both
	with context.		ownership with context.
	with context.		L3: [7-9 marks]
	Level 4 (10-12 marks)		[7 marks] - candidate analyses
	Candidate evaluates ownership with context.		advantages and disadvantages of one
	Indicative content:		ownership suitable for Becky. [8-9
	Control		marks] -candidate analyses advantages
	Profit retained		and disadvantages of both ownership for
	Costs		Becky.
	Training and support		L4: [10-12 marks]
	Benefits from marking campaign		[10 marks] - candidate evaluates the
	Documentation or legality		ownership suitable for Becky with weak
	Ability to raise finance		justification. [11-12 marks] - candidate
	Recognised brand (franchise)		evaluates both ownership suitable for
	Established customer base (franchise)		Becky with full justification.
			Acceptable annotation is
	Unlimited liability and flexible working hours are not an issue in this case.		A01 = L1
			AO2 = L2
	Exemplar response:		AO3 = L3
	As a sole trader Becky has full control of her business. She keeps all the		AO4 = L4
	profits and she can run the business however she likes (L1). This is		Please indicate each time a candidate
	important as she needs flexibility whilst raising a young family <b>(L2)</b> with a commission of 12% she will not have much left over if she had to pay the		achieves a particular level as this will
	franchisor 10% of her revenue (L2). This will affect her profit margin (L3)		help you to allocate the marks within that
	Transmissi 1070 of her revenue (L2). This will affect her profit margin (L3)		level.

Question	Expected Answer	Mark	Additional Guidance
	and ultimately the survival of her business (L3). However, being a sole trader she does not have the backing that a franchise brings (L2) without the training and expertise provided by a franchisor Becky would find it more difficult to get her business up and running to start with (L3). Also the franchise is a recognised brand (L2) which would help Becky to establish her business more easily (L3). Overall, Becky should go it alone as the cost of running a franchise is too much for a new business (L4). It will be difficult for her to raise the start-up cost of £12k (L4).		

Question	Expected Answer	Mark	Additional Guidance
(b)	Analyse the possible consequences to a business such as Becky's	[9]	L1: [1-3 marks]
. ,	proposed property letting and management business if it does not take into account the interests of stakeholder groups		[1 mark] – candidate describes <b>one</b> consequence with no reference to specific stakeholder interest [2-3 marks] – candidate describes consequences with no reference to specific stakeholder interest
	Level 1 (1-3 marks) Candidate describes possible consequence(s) with no reference to specific stakeholder interests. Level 2 (4-6 marks)		
	Candidate describes the possible consequence(s) of ignoring stakeholder with reference to specific stakeholder interests.  Level 3 (7-9 marks)  Candidate analyses the possible consequence(s) of ignoring stakeholder with reference to specific stakeholder interests.  Indicative content:  Lose sales/revenue  Lose profit  Lose customers  Lost reputation  Bad publicity  Complaints  Fines		L2: [4-6 marks] [4 marks] – candidate describes/explains one consequence with reference to specific stakeholder interest. [5-6 marks] – candidate describes/explains consequences with reference to specific stakeholder interest.  L3: [7-9 marks] [7 marks] – candidate analyses one consequence with reference to specific stakeholder interest. [8-9 marks] -candidate analyses consequences with reference to specific
	<ul> <li>Imprisonment</li> <li>Exemplar response:</li> <li>If a business does not listen to its stakeholders then it will lose customers (L1). Government regulates and enforces legislation on how business should be run, eg EPC requirements. If Becky does not observe these regulations she might be sued/fined (L2). This will lead to bad reputation/fewer customers (L3).</li> <li>If a business does not listen to its stakeholders it will lose sales(L1). Customers do not like to be over-charged and expect a good service. If Becky does not provide what they want, eg find tenants for their properties promptly, then they will go elsewhere (L2). This will affect Becky's revenue/sales/profits (L3)</li> </ul>		Acceptable annotation is AO1 L1 AO2 L2 AO3 L3 Please indicate each time a candidate achieves a particular level as this will help you to allocate the marks within that level.

Question	Expected Answer	Mark	Additional Guidance
5 (a)	Explain three advantages of online advertising rather than local newspaper advertising to a business such as Becky's proposed property letting and management business.	[6]	AO1 – 3 marks AO2 – 3 marks  Award marks for 3 advantages only – max 3
	One mark for each correct identification up to maximum of three identifications, plus a further one mark for each of three explanations.		marks. Expansion marks are awarded for any further explanation of advantages identified.
	Indicative content:		
	reach a wider audience		Award marks for any valid comparison
	• tends to be cheaper (1)		between advertising on line and local newspapers or examples taken from case
	<ul> <li>can be colourful and more effective including videos (1)</li> <li>newspaper advertising is usually black and white (1)</li> </ul>		study.
	<ul> <li>can include a lot more information (1)</li> <li>internet users are on the increase while the number of people</li> </ul>		No context required.
	<ul> <li>reading</li> <li>newspapers is on a constant decline (1)</li> </ul>		Look at out for more than one advantage in each writing frame.
	Exemplar response:		
	Reach a wider audience (1) as the Internet is accessible worldwide (1).  Tends to be cheaper (1) so this keeps the running costs low (1).  Can be colourful and more effective including videos (1) newspaper advertising is usually black and white (1)  Can include a lot more information (1) this will allow customers to find out exactly what's on offer (1)  Internet users are on the increase while the number of people reading newspapers is on a constant decline (1)		

Question	Expected Answer	Mark	Additional Guidance
(b)	Other than a SWOT analysis, suggest one other marketing tool which	[1]	Accept any appropriate marketing tools.
	Becky could use to analyse her proposed property letting and management business and the environment in which it would operate.		AO1 – 1 mark
	For one mark		
	Indicative content:		
	• SLEPT		
	• PEST		
	Boston Matrix		
	Product Life Cycle		
	Ansoff's Matrix		
	PESTEL		

Question	Expected Answer	Mark	Additional Guidance
(c)	Discuss the extent to which it is beneficial that Becky carries out a SWOT analysis before launching her proposed property letting and management business.  Level 1 (1-3 marks) Candidate identifies way(s) in which SWOT analysis can be used in a business.  Level 2 (4-6 marks) Candidate describes the advantages and/or disadvantages to Becky of a SWOT analysis or candidate carries out a SWOT analysis on Becky's business.  Level 3 (7-9 marks) Candidate analyses advantages and/or disadvantages of a SWOT analysis with context.  Level 4 (10-12 marks) Candidate evaluates the usefulness of SWOT analysis with context.  Indicative content:	[12]	L1: [1-3 marks] [1 mark] – candidate describes elements of SWOT, with no context. [2-3 marks] – candidate describes examples of how SWOT can be used by businesses; often name-dropping with no context.  L2: [4-6 marks] [4 marks] – candidate describes how Becky can use one element of SWOT giving example(s).  OR candidate carries out a SWOT analysis on Becky examining 1 element only. [5-6 marks] – candidate describes how Becky can use more than one element of SWOT analysis giving examples.  OR candidate carries out a SWOT analysis on Becky examining more than 1 element.
	<ul> <li>examines internal and external environment</li> <li>forces managers to consider the situation</li> <li>examiners the strengths, weaknesses, opportunities and threats</li> <li>help devise plans for the future.</li> <li>identify a new target market</li> <li>Exemplar response:</li> <li>SWOT analysis examines the internal and external environment a business operates in (L1). By examining her strengths Becky can identify areas of the business which she can specialise in such as using her previous experience to provide landlords with a personal management and letting services (L2). By providing landlords with a personal service tailored to their needs Becky will ensure repeat business (L3). However, Becky must carry out thorough market research on what landlords' needs and wants are rather than relying entirely on SWOT analysis (L4). A SWOT analysis must be used with other marketing tools eg PEST and SLEPT (L4).</li> </ul>		L3: [7-9 marks] [7 marks] – candidate analyses how Becky can benefit from examining one element of SWOT. [8-9 marks] – candidate analyses how Becky can benefit from examining more than 1 element of SWOT. L4: [10-12 marks] [10 marks] – candidate evaluates the usefulness of SWOT with context and weak justification. [11-12 marks] – candidate evaluates the usefulness of SWOT with context and fully justified.  Acceptable annotation is AO1 = L1 AO2 = L2 AO3 = L3 AO4 = L4

Question	Expected Answer	Mark	Additional Guidance
6	Evaluate the likely impact of changes in economic variables on the success of Becky's proposed property letting and management	[12]	L1: [1-3 marks] [1 mark] – candidate identifies economic
	business.		variable(s) with no context.
	Level 4 (4.2 montes)		[2-3 marks] – candidate describes how
	Level 1 (1-3 marks) Candidate describes economic variable(s) with no context.		economic variable(s) can affect businesses; often name-dropping with no context.
	Carrarado decembro economio tarradio(e) marrire contexta		onen name gropping marine contexts
	Level 2 (4-6 marks)		L2: [4-6 marks]
	Candidate describes economic variable(s) that have an impact on Becky.		[4 marks] – candidate describes one economic variable that affects Becky.
	Level 3 (7-9 marks)		[5-6 marks] – candidate describes more
	Candidate analyses the impact that economic variable(s) have on Becky.		than one economic variable that affects
	Lovel 4 (10.12 morks)		Becky.
	Level 4 (10-12 marks)  Candidate evaluates the impact that economic variable(s) have on Becky.		L3: [7-9 marks]
	Carratate evaluates the impact that economic variable(e) have on Booky.		[7 marks] – candidate analyses one
	Indicative content:		economic variable that affects Becky.
	Interest rates		[8-9 marks] -candidate analyses more than
	Inflation		one economic variable that affects Becky.
	Unemployment     Typhonore rates		L4: [10-12 marks]
	<ul><li>Exchange rates</li><li>Recession</li></ul>		[10 marks] – candidate evaluates one
	Credit crunch		economic variable that affects Becky.
	Economic growth		[11-12 marks] – candidate evaluates more
	Consumer confidence		than one economic variable that affects  Becky – candidate compares the impact of
			different economic factors.
	Exemplar response:		
	Economic variables such as interest rates, inflation, unemployment, exchange rates, etc, can affect the success of businesses (L1). Becky's		
	business thrives well when unemployment is low as people will be able to		
	afford a higher rent <b>(L2)</b> , thus increasingly Becky's revenue <b>(L3)</b> . However,		
	the number of people seeking rental accommodation might decrease when		
	unemployment is low as they will be able to afford to buy their own property		
	(L3). On balance, Becky will benefit from low unemployment as there will be		
1	more employment opportunities so more rented accommodation will be		l l

Question	Expected Answer	Mark	Additional Guidance
	needed (L4).		
	When interest rate increases, mortgage repayments increases (L1) This will affect the demand for house purchase (L2) but more people will turn to rented properties boosting Becky's potential revenue (L3). Overall a high interest rate is good news for Becky's business if unemployment remains low and there is a sustain demand for rented properties (L4). When inflation increases consumers have less spending power (L1). As the general public struggle to pay for the day-to-day essentials such as food, energy and fuel bills, Becky might find it difficult to raise the rent level or might have to accept lower rent for the properties she manages (L2). This lowers her profit margin and revenue (L3). A high level of inflation will affect Becky's business but not as much as interest rate or unemployment rate (L4).		

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