

GCE

Critical Thinking

Advanced Subsidiary GCE

Unit F501: Introduction to Critical Thinking

Mark Scheme for June 2013

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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

Annotation	Meaning
>	Use a v to indicate the separate marks given in 1(b), 1(e), Q2, Q3(b), Q6,Q7,Q8 and Q9

Use the following annotations in Q10:

Annotation	Meaning				
C+	strong credibility				
С	C weak credibility				
P+	+ strong plausibility				
P weak plausibility					
F	F the side 'for' eg CF, CF+, PF, PF+				
A	the side 'against' eg CA,CA+, PA, PA+				
	on pages 10 and 11 that these continuation sheets have been looked at				

Subject-specific Marking Instructions

Question 1

You must only credit the words written; ellipses (....) should not be credited. The words in brackets are not required, but candidates should not be penalised if these words are included.

Credit 3 marks for precisely stating the argument element in the exact words of the author.

For partial performance marks see the guidance for each question.

Credit 0 marks for no creditworthy material for all questions.

Q	uestion	Answer	Marks	Guidance
1	(a)	 Conclusion (but) we should still fight a quiet rebellion to keep them and their services going (3). Accept 'libraries' in place of 'them'. 	3	 2 marks For any omissions eg 'still', 'quiet', 'going', 'and their services'. 1 mark For any additions eg the counter assertion 'In a recession, libraries may seem a low priority'.
	(b)	 3 examples Credit 1 mark for each of the following: (someone who had been) homeless (1) (those who had been) picked on at school (1) newcomers (1) Allow additional information about each example. 	3	 Use ticks ✓ to identify where marks are awarded in the candidate's answer. There are no other possible answers. 0 marks for 'the internet', 'electronic books', 'phone apps' (not instances).
	(c)	 Hypothetical reasoning (Surely a) part of Britain's community network will be lost if there are mass library closures (3). 	3	 2 marks for a slight omission eg 'Britain's', 'mass'. 1 mark for a substantial omission eg either half of the claim. Or for any addition
	(d)	 Counter-argument (The claim frequently made by technologists that) we don't need libraries now, as we have the internet, electronic books and phone apps (3). 	3	 2 marks for slight omissions eg 'now', 'electronic books' 'phone apps'. 1 mark For substantial omissions eg either omitting the reason or the conclusion. Or adding eg 'misses the point because books are an adventure'. 0 marks for 'In recent years more than 450 libraries have faced closure because of public spending cuts.'

Q	Question	Answer M Argument indicator words 1 mark for each correct answer (up to 3 marks) • but (1) • however (1) • included (1) • because (1) • if (1)	Marks	Guidance
	(e)		3	 Use ticks ✓ to identify where marks are awarded in the candidate's answer. Do not accept 'Surely'.
2	(a)	 Argument element Reason (2) 	2	 Use ticks ✓ throughout the assessments in Q2 to identify where marks are awarded in the candidate's answer. 1 mark if 'reason' is given as part of an incorrect element eg counter reason or hypothetical reason.
	(b)	 Element explanation It supports the conclusion. (2) It persuades the reader to accept the conclusion. (2) A definition is all that is required. However if an answer explains the element correctly via the text, this should be credited 2 marks. 	2	 2(a) and (b) should be marked independently ie if 2(a) is incorrect, marks can be awarded for a correct answer to 2(b). 1 mark for an answer that mentions <i>support/persuasion</i> without reference to the conclusion.

Question	Answer	Marks	Guidance
3 (a)	 Alternative explanation 2 marks for a correct plausible explanation that identifies the impact of some other factor than library visits on reading levels eg Perhaps the children who borrowed library books were confident and above average readers as a result of <i>the teaching in their schools</i>. Children who visit libraries may belong to <i>families</i> who are keen to develop their reading skills and so are likely to be good readers already. Or an answer that deals with the relationship between good readers and libraries. Good readers are more inclined to visit libraries. 	2	 1 mark for a correct bald statement without any reference to an alternative factor that has impacted upon reading skills, or a reference to libraries eg They may be the better readers anyway. 0 marks for an explanation that assesses the reliability of the results. for an explanation that makes no reference to either ability to read/reading levels/reading skills or similar.

Questi	on	Answer	Marks	Guidance	
(b)	(i) + (ii)	 Representative 2 marks for each correct comparison that relates to his view – impact upon savings/waste. (up to two responses) eg The retired builder has a library which is very close, whereas many may have to travel to their library which will cost money and cut down on the savings. The retired builder visits about three times a week, whereas many may not be able to visit and borrow books so frequently, so they will not be able to save so much money. The retired builder still has a local library, whereas other library users many not have this because of the closures, so it will actually cost them to travel to borrow books rather than being able to save 	4	 Use ticks ✓ throughout the assessments in Q3 (b) to identify where marks are awarded in the candidate's answer. 1 mark for a correct answer that does not relate directly to his view – the impact on the savings eg The retired builder lives close to his library whereas other may not. As he is retired, it implies he is fairly old and only voices for a certain age group. Or For a correct answer that relates to savings, but with no comparative element. 	
		 The retired builder values saving money by borrowing books, but some may feel that the money used to buy a book is not wasted because of the value that they place upon owning a book. As the builder is retired, he may be more in need of saving money than someone who is on a full income, so he may value saving the cost of purchasing books more than many people. 		 0 marks for answers that state that this is only one person's view. contain no creditable material. not comparative + not to do with savings. not focused on the builder eg Some people may prefer to have books as their own and not to give them back. 	

Questior	Answer	Marks	Guidance
4	 Assumption 3 marks for an accurate statement of an assumption eg Digital options (for kids) cannot be chewed and thrown about/explored in a tactile manner/withstand rough treatment. Chewing and being thrown about are legitimate/okay functions of children's books. Kids' books are resilient to children's rough treatment. Acceptable answers refer to assumptions about digital options or books, not about kids. 	3	 2 marks for a less precise statement of the assumption eg Books are designed to be resilient (to children's rough treatment.) 1 mark for the essence of an assumption expressed as a challenge eg Digital options could be encased so that they can be chewed and thrown about. 0 marks for restating or paraphrasing the author's claim eg Kids need to chew and throw books about. It is important for children to chew and throw books about. NB do not credit want/like to/actually do.
5	 One reason: 3 marks for a reason that makes/implies a comparison eg You can get information from electronic sources more quickly. The electronic sources are cheaper in the long run. The electronic resources are lighter to carry than a number of books. 	3	 2 marks for a reason that does not make a comparison eg Books are heavy to carry. 1 mark for an answer that goes beyond a reason eg an argument, or includes extra argument elements (eg argument). You can get information from electronic sources more quickly, so they are much more efficient to use. You can get information from electronic sources more quickly, such as

Question	Answer	Marks	Guidance
6	 Links between reason and conclusion: 1 mark for reference to a key word(s) in the correct conclusion: "Libraries must change in the same way that museums have." 1 mark for reference to a key word(s) in the correct reason (since) local libraries are still stuck in old- fashioned, often unwelcoming buildings. either 2 marks for a correct point of assessment that focuses directly upon the link between the reason and the conclusion eg The author cites the condition of <i>local</i> libraries to persuade us that <i>all</i> libraries must change, but the former may not be representative of all libraries, as libraries covering larger geographical areas may already have changed because of greater funding. The author uses the changes made in <i>museums</i> to argue that old-fashioned local <i>library</i> buildings must change in the same way, without any justification that these two public services function in the same way. or 1 mark for a correct point which assesses any point of reasoning that the author makes, instead of the link eg The museum galleries that he visited may not be representative of what could be built with more limited funds elsewhere. 	4	 Use ticks ✓ throughout the assessments in Q6 to identify where marks are awarded in the candidate's answer. These marks should be credited independently of each other ie it is not necessary to gain the first before the others can be credited. The reference to the text maybe brief. A full quote is not necessary, eg 'libraries must change'. A reference to 'libraries' or 'museums' is not sufficient on its own. The reference to the text need not be indicated by speech marks.

Question	Answer	Marks	Guidance
Question 7	Document: Award up to 3 marks for each correct answer: 2 marks for a relevant accurate assessment eg The authors of the document have a good ability to perceive the number of library visitors as they will have access to these figures through their cultural role. (✓✓) Plus 1 mark where a correct assessment is supported by a relevant reference to the text. The authors of the document have a good ability to perceive the number of library visitors as they will have access to these figures through their cultural role (justified assessment ✓✓) as Department for Culture (relevant reference ✓) NB for expertise (in stats) and reputation the reference to text must include: 'produced by our department to the standards set out in	Marks 6	 Guidance Use ticks ✓ throughout the assessments in Q7 to identify where marks are awarded in the candidate's answer. Credibility criteria Credit only assessments related to RAVEN criteria not corroboration (N – neutrality – includes its opposite, bias). Assessments that relate to the same credibility criterion can only be credited if a different assessment is made eg vested interest that weakens and a different assessment of VI that strengthens credibility. If candidates choose both bias and vested interest, they can only be credited if the same material is not used twice. Accept experience as a version of expertise. Allow adjective forms 'neutral, biased, expert, reputable, able to perceive'.
			 Reference to the text This need not be in quotation marks. It need not be a sentence – a relevant phrase or term may be adequate to support an assessment. This needs to be relevant to the assessment made. It needs to justify why credibility is eg strengthened by expertise rather than being evidence of expertise. The name of the dept can be used where relevant (see
	0 marks for an incorrect assessment. an assessment that does not use a credibility criterion. an explanation of a credibility criterion with no context.		expertise opposite, below).

Question	Answer	Marks	Guidance
7 cont	Examples of a 3 mark answer:		
	Vested interest The Department for Culture, Media and Sport might have a vested interest to interpret the number of library visitors in a positive way, as they might want to be seen as having succeeded in their aim 'to improve the quality of life for all through cultural and sporting activities.'		
	Expertise		
	Expertise in Stats: The Department for Culture, Media and Sport must have the necessary expertise to be able to correctly present the statistics, because libraries are part of the field of culture in which they specialise, 'produced to the standards set out in the Code of Practice'.		
	Expertise in Libraries: The Department for Culture, Media and Sport must have the necessary expertise in library usage because libraries are part of the field of culture in which they specialise.		
	Also credit VI to maintain professionalism, ability to perceive the relevant data and reputation in line with the code of practice.		

Q	uestion	Answer	Marks	Guidance	
8	(a)	Consistent about library visitors:	2	Use ticks \checkmark throughout Q8 to indentify where marks are awarded in the candidate's answer.	
		Credit 2 marks for any set of two points as below: NB Both points are required for the two marks. Do not credit one mark where one of the points is			
		incorrect, as the question is asking for two points that are consistent with each other.			
				*No source is required for this answer.	
		 They are remaining static for children aged 11– 15 with about 70% being regular library users. The figures show that in between 2006/07 and 		Accept paraphrase that does not alter the author's meaning.	
		2009/10 the figures for these children were between 70% and 80%.		Cap at 1 mark	
		(where 'static' is mentioned a time-period must be indicated in the stats).		Where candidates make a correct general statement relating to both the claim and a statistic.	
		 Or Library attendance figures aren't improving. 		*Accept other possible answers/combinations.	
		• The figures show that there was a drop in adult attendance from 48.2% to 39.4% from 2005-2010.			
		Or			
		 Libraries are packed with under 10s. 			
		• The figures show that under 10 attendance at least once a year was under 80% in 2009/10.			
		Or			
		• The claim that "Youngsters don't use libraries any more" is just wrong.			
		• The graph shows that between 2006 and 2010 the figures for children aged 11–15 were over 70%.			

Q	uestion	Answer	Marks	Guidance
8	(b)	Inconsistent about library visitors:		
		Credit 2 marks for any set of two points as below: NB Both points are required for the two marks.		*No source is required for this answer.
		Do not credit one mark where one of the points is incorrect, as the question is asking for two points that are inconsistent with each other.		Accept paraphrase that does not alter the author's meaning.
		 Library attendance figuresare remaining static for children aged 11–15. The figures show that library attendance for children aged11–15 went down in 2009/10 from just under 80% to just over 70%. 		Cap at 1 mark Where candidates make a correct general statement relating to both the claim and a statistic. *Accept other possible answers/combinations.
		 Or Youngsters don't use libraries any more. The figures show that attendance for children 5- 15yrs are above 70% in 2009/10. 		
9		Claim (1) 1 mark for an accurate statement of the claim. 0 marks for an inaccurate claim(gist). or incorrect claim (another person's claim). 	1	Use ticks ✓ throughout the assessments in Q9 to identify where marks are awarded in the candidate's answer.

Question	Answer	Marks	Guidance		
9 cont	 Assessment (6) 2 marks For an accurate point that assesses the person in relation to an aspect of their claim by applying a relevant credibility criterion eg As a public librarian they should have the ability to perceive the use elderly people make of libraries to be able to judge the opportunity that they have for conversation there. (assess + ref √√) 	6	 Credibility criteria Credit only assessments related to RAVEN criteria not corroboration (N – neutrality – includes its opposite, bias). Assessments that relate to the same credibility criterion can only be credited, if a different assessment is made in eg vested interest that weakens and a different assessment of VI that strengthens credibility. If candidates choose both bias and vested interest, they can only be credited if the same material is not used twice. 		
	 Plus 1 mark Where a correct assessment explicitly indicates whether this strengthens or weakens the claim. <i>eg</i> "This would <i>weaken</i> (W/S ✓) the credibility of his reported claim." NB This mark can only be credited where an aspect of the claim is assessed. 		 Reference to the claim does not have to be in speech marks. may be a key word or phrase not found in the claim eg social/communication/benefits/vital/advice/ recommendation/ state of the libraries/ways of improving libraries - however, must refer clearly to the content of the claim. 		
	0 marks for irrelevant or inaccurate assessment/no creditworthy material.		Synonyms of strengthen or weaken should be credited eg increases credibility. Accept positive/negative credibility, strong/weak, credible/not credible.		
			 Cap at 1 mark for correct assessment of an incorrect claim. correct assessment of missing claim (However credit according to the 3 marks available, if the candidate refers to the correct claim in a correct answer). correct assessment without reference to an aspect of their claim. 		

Question	Answer		Guidance		
9 cont	The librarian Claim"Libraries are not just a luxury, they are absolutely crucial for community cohesion and they are vital for life-long learning.In isolated places where elderly people have lost 		The children's author Claim Accept any part of any of his claims eg "Libraries must change in the same way that museums have, since local libraries are still stuck in old–fashioned, often unwelcoming buildings."		

Question	Answer	Marks	Guidance
9	Assessments		Assessments
cont	Example of assessments that would each gain three marks:		Example of assessments that would each gain three marks:
	marks.		Reputation/vested interest
	Reputation/vested interest		As a children's author, they may have a vested interest to
	As a (public) librarian, they may have a vested interest		preserve their public image by making an accurate claim
	to preserve their professionalism by making an accurate		about the state of local libraries. This would strengthen the
	claim about the importance of libraries. This would		credibility of their description of local libraries as old-
	strengthen the credibility of their claim about libraries		fashioned and often unwelcoming.
	being absolutely crucial for community cohesion.		Vested Interest/lack of neutrality
	Vested Interest/lack of neutrality		As a children's author, they may have a vested interest to
	As a public (librarian), they may have a vested interest		exaggerate the state of libraries to increase interest in
	to exaggerate library use to support their continued		children buying books. This would weaken the credibility of
	existence. This would weaken the credibility of their		their claim that libraries must change.
	claim about libraries being absolutely crucial for		
	community cohesion.		Expertise/experience/ability to perceive
			As a children's author, they may have the relevant expertise
	Expertise/experience/ability to perceive		required to accurately assess the state of local libraries in
	As a (public) librarian, they should have the ability to perceive the use elderly people make of libraries. This		relation to children's needs, advising that they must change. This would strengthen the credibility of their claim that these
	would strengthen the credibility of their claim about the		libraries must change.
	opportunity that the elderly have for conversation there.		
	(Qualified librarian would also have expertise in libraries		
	eg claim about life-long learning).		

Question	Answer	Marks	Guidance		
Question 10	 Apply the levels mark scheme below using the annotations opposite: Level 3 strong, relative, sustained assessment 11–16 marks 4 strong areas 13 marks 3 strong areas 11 marks Plus credit 1 mark each for any of the following: direct points of comparison with effective reference to the text in 3 areas. clear and explicit judgement relating to serious or limited negative effects, consistent with their assessment of both credibility and plausibility. effective use of specialist terms and argument indicator words and grammar, spelling and punctuation are accurate. Level 2 partial or weak assessment 6–10 marks 3+ areas of which 2 strong and 1 or 2 weak 8 marks 2 areas covered, both strong 6 marks Plus credit 1 mark each for any of the following: explicit relevant judgement <i>relating to serious or limited negative effects</i> consistent with their assessment of both credibility and plausibility. a reference to the text in 2 areas and correct use of specialist terms and grammar, spelling and punctuation are adequate. Level 1 Basic assessment 1–5 marks 1 strong area 3 marks No strong areas on overed but not strongly, award marks for the two bullets only, where present. Plus credit 1 mark each for either of the following: explicit judgement <i>relating to serious or limited negative</i> for the strongly, award marks for the two bullets only, where present. 	Marks 16	In this question there are four ar using the annotations below: Credibility side for closure (CF) politicians, technologists, town and city councils, blogger (Not children's author-change) Plausibility limited negative effects (PF) literacy, lifelong learning, incon premises, reduced opportunity Use the following annotations Credibility strong CF+, CA+ Credibility is correctly assessed side. weak CF,CA Only one source's credibility is side. Plausibility strong PF+, PA+ Either there is one completely no	eas that need to be assessed Credibility side against closure (CA) often inferred: author doc 1, director NLT, builder, librarian, bookshop manager (Not dept for CM&S- stats onl Plausibility serious negative effects (P) venience, cost, different to socialise & enjoy books : for at least 2 sources on one s correctly assessed on one ew thought,	
	 a reference to the text in 2 areas and correct use of specialist terms and grammar, spelling and punctuation are adequate. Level 1 Basic assessment 1–5 marks strong area marks strong areas marks where areas are covered but not strongly, award marks for the two bullets only, where present. Plus credit 1 mark each for either of the following: 		Credibility is correctly assessed side. weak CF,CA Only one source's credibility i side. Plausibility strong PF+, PA+	s correctly assessed on ew thought, ped and discussed, esized to make a reasone erent comment on, or an ext, rather than being just	

Question	Answer	Marks	Guidance
	 Reasoned case: Answers might include some of the following comparisons: The relative credibility of both sides 		weak PF, PA A relevant part of the text is restated specifically in relation to plausibility, but without development. (This should refer to the serious or limited negative effects.)
	 eg Vested interest The side that are against library closures includes a librarian and a bookshop manager. Their incomes or professions might be affected if libraries were to close so they might have a vested interest to exaggerate the negative effects of the recommended closures. Additionally the Director of the National Literary Trust might have a vested interest to interpret the statistics about the effects of libraries upon literacy favourably, in order to continue their role in supporting literacy. Therefore their claims, especially 'the librarian may be the only person they speak to that day' are likely to be exaggerated or at least an interpretation in favour of their cause, weakening the credibility of this side's views. However, the credibility of the views on the side supporting the library closures are no less affected by vested interest. Both the technologists and the town and city councils have their own agendas. The former may have a vested interest to promote their own goods above those of books to corner the market and the latter have a vested interest to exaggerate the decreasing role of libraries now." It thus appears that there is an <u>equal</u> vested interest on both sides to present the situation in a manner that is favourable to themselves. From the perspective of vested interest, neither side's claims are more credible than the other. 		If there is additional material eg a plan, the text should be marked first. Then return to the plan and credit any relevant material even if crossed out.

Question	Answer	Marks	Guidance
	The relative plausibility (likelihood) of conflicting outcomes.		
	However the plausibility of the two outcomes is very different. It seems clear that if so many libraries are closed, then this will definitely have a negative effect upon literacy. The National Literacy Trust research statistics show <i>'how important a role libraries play in supporting literacy'</i> . If this role is reduced, then , with the cuts in schools budgets which mean fewer textbooks and often larger class sizes, literacy is very likely to be badly affected.		
	Also, limiting the negative effects by providing these services elsewhere seems very implausible, as many services are housed in libraries, such as free internet facilities for research and book clubs for children. It would be difficult for even the Big Society to try take over these roles because of lack of funding and buildings, not forgetting the large number of volunteers that would be needed. Even though in theory story sessions <i>'could be held elsewhere more cheaply'</i> those reading the stories may not have the expertise that children's librarians have in engaging children.		
	So the plausibility of limiting the negative effects is quite a remote possibility, <u>making serious negative effects of closure more certain</u> .		
	Overall, as there is very little to choose between the credibility of the claims of the sides, it would seem that the judgement must rest upon the likely outcomes, and as such it would seem that serious negative effects are more likely than these being limited by the services being able to be replaced elsewhere.		

APPENDIX 1

Please note that the following table indicates the **range** of marks candidates must achieve in order to fall within a grade range. They are not grade boundaries.

Assessment Objectives Grid (includes QWC)

Question	AO1	AO2	AO3	Total	Grade A	Grade C	Grade E
1a	3			3	3	3	2
1b	3			3	3	2	2
1c	3			3	3	1	0
1d	6			6	6	4	3
2a	2			2	2	2	1
2b			2	2	2	2	1
3a		2		2	2	2	1
3b		4		4	3	3	2
4	3			3	2	1	1
5			3	3	3	2	1
6		2	2	4	3	2	2
Section A total	20	8	7	35	32	24	16
7		6		6	6	4	4
8	2		2	4	4	4	2
9 ((a)+(b)	2	12		14	12	10	8
10	2		14	16	13	10	7
Section B total	6	18	16	40	35	28	21
Unit 1 Total	26	26	23	75	67	52	37
Designer grade range					60 – 67	45 – 52	30 – 37

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