

Centre Number						Candidate Number				
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For Examiner's Use	
Examiner's Initials	
Question	Mark
1	
2	
3	
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6	
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10	
TOTAL	



General Certificate of Education
Advanced Level Examination
June 2014

Critical Thinking

CRIT3

Unit 3 Beliefs, Claims and Arguments

Friday 13 June 2014 1.30 pm to 3.00 pm

For this paper you must have:

- Source Material (enclosed).

Time allowed

- 1 hour 30 minutes

Instructions

- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The maximum mark for this paper is 70.
- The marks for each question are shown in brackets.
- This paper consists of two sections.
Section A are questions based on a belief, theory or hypothesis.
Section B are questions based on complex arguments or persuasive texts.
- You will be marked on your ability to
 - use good English
 - organise information clearly
 - use specialist vocabulary where appropriate.

Advice

- The recommended time allocation for this unit is as follows:
 - Initial reading: up to 15 minutes.
 - Section A: 35-40 minutes.
 - Section B: 35-40 minutes.



J U N 1 4 C R I T 3 0 1

Section A: Beliefs and claims

Answer questions **1** to **6** in the spaces provided.

Question 1 refers to Document A.

1 In the Timeline (**Figure 2**) it claims that the first use of wheeled transport took place around 3500 BC.

Explain **one** problem with making this claim.

[2 marks]

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Questions 2 to 5 refer to Document B.

2 (a) Read **paragraphs 1 and 2** and consider the images, **Figure 3** and **Figure 4**.

Give **one** reason for finding it puzzling or surprising that the Native Americans did **not** invent the wheel.

[2 marks]

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2 (b) Give an explanation for why the reason you identified in **2(a)** does not necessarily prove that the Native Americans must have invented the wheel.

[2 marks]

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Turn over for the next question

Turn over ▶



3 Paragraph 3 refers to the 'lack of actual positive evidence' for the existence of the wheel amongst Native American cultures.

Explain why this alone is insufficient to justify the inference that the wheel was therefore not invented by the Native Americans.

[4 marks]

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4 How does the author use the evidence in **paragraph 5** to support the hypothesis that the wheel was not invented by Native Americans?

Assess how effective the evidence and reasoning are.

[6 marks]

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5 In **paragraphs 6 and 7**, the finding of wheeled models or figurines is presented as ‘puzzling’.

It has recently been established that similar models have been found in Central Europe and Asia; these models appear to pre-date the use of human-scale wheeled vehicles in those areas.

Assess the impact of these more recent findings (in Central Europe and Asia) alongside the figurines found in Central America, on the hypothesis that the Native Americans did not invent the wheel as a form of transportation.

[6 marks]

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Question 6 refers to Document C.

6 In **paragraph 1**, it is claimed that ‘humans managed perfectly well without wheeled transportation during most of prehistory’.

Critically assess this claim.

[5 marks]

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Section B: Arguments

Answer questions 7 to 10 in the spaces provided.

Questions 7 and 8 refer to Document C.

7 In **paragraphs 2 to 5**, the authors compare conditions in Central and South America with those where the wheel was developed as a form of transport, in order to (help) explain why the wheel was not adopted by the Native Americans.

How convincing is the case presented in these paragraphs?

Explain and evaluate both the reasoning and evidence deployed.

[10 marks]

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8 How effective is **paragraph 6** as a supplement to the reasoning in **paragraphs 2 to 5**?
[6 marks]

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Question 9 refers to Document D.

9 (a) Explain the reasoning in the argument presented in **Document D**, identifying any conclusions drawn and the reasons given.

[6 marks]

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9 (b) Identify **two** ways in which the explanation in **Document D** is better than those in **Document C**.

(You may refer to one or more of the explanations given in Document C.)

[6 marks]

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END OF QUESTIONS



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