

**ADVANCED GCE**  
**CRITICAL THINKING**  
Critical Reasoning

**F504**

Candidates answer on the answer booklet.

**OCR supplied materials:**

- Resource booklet
- 8 page answer booklet  
(sent with general stationery)

**Other materials required:**

None

**Wednesday 15 June 2011**  
**Morning**

**Duration: 1 hour 30 minutes**



**INSTRUCTIONS TO CANDIDATES**

- Write your name, centre number and candidate number in the spaces provided on the answer booklet. Please write clearly and in capital letters.
- Use black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Answer **all** the questions.
- Do **not** write in the bar codes.

**INFORMATION FOR CANDIDATES**

- The number of marks is given in brackets [ ] at the end of each question or part question.
- The total number of marks for this paper is **60**.
- You are advised to spend about 15 minutes reading through the resource booklet and question paper before answering the questions.
- This document consists of **2** pages. Any blank pages are indicated.

Answer **all** questions.

### Analyse

- 1 Name and briefly explain the function of the following elements in the structure of the reasoning:
- (a) “The year 2009 marked the 40th anniversary of two momentous events related to space exploration.” (Document 1, paragraph 1) [2]
  - (b) “Space exploration has always been a capital intensive endeavor requiring vast resources and extensive research.” (Document 2, paragraph 1) [2]
  - (c) “The less obvious and most important benefit is spin-off technologies.” (Document 2, paragraph 3) [2]
- 2 To what extent is the author of Document 1 against sending humans into space and on what grounds? Justify your answer with reference to his reasoning (eg his conclusions, reasons, assumptions and/or implications). [14]

### Evaluate

- 3 Discuss the extent to which Document 2 counters Document 1. You should come to a reasoned judgement. [20]

### Develop your own reasoning

- 4 There are limits to what humans should attempt to do.

Write your own argument in response to this claim.

You should use your own ideas and you may use ideas/evidence from the resource booklet to help you. [16]

**Paper Total [60]**



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