

**OXFORD CAMBRIDGE AND RSA EXAMINATIONS  
ADVANCED GCE**

**F504**

**CRITICAL THINKING**

**Critical Reasoning**

**WEDNESDAY 15 JUNE 2011: Morning**

**DURATION: 1 hour 30 minutes**

**SUITABLE FOR VISUALLY IMPAIRED CANDIDATES**

**Candidates answer on the answer booklet.**

**OCR SUPPLIED MATERIALS:**

**Resource booklet**

**8 page answer booklet**

**(sent with general stationery)**

**OTHER MATERIALS REQUIRED:**

**None**

**READ INSTRUCTIONS OVERLEAF**

## **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.**

## **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.**

**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.**  
**[20]**

**Paper Total [60]**



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