

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



General Certificate of Education  
Advanced Level Examination  
June 2010

# Critical Thinking

# CRIT4

## Unit 4 Reasoning and Decision Making

Monday 28 June 2010 1.30 pm to 3.00 pm

**For this paper you must have:**

- a copy of the Pre-Release Case Study Source Material (enclosed)
- a copy of the Unseen Source Material (enclosed).

You may use a calculator.

### 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.
- Do all rough work in this book. Cross through any work you do not want to be marked.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.

### Information

- The maximum mark for this paper is 70.
- This paper consists of **three** sections.  
**Section A** contains three compulsory questions based on statistical information.  
**Section B** contains two compulsory questions based on the pre-release sources.  
**Section C** contains four compulsory questions based mainly on **Document I**.  
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:
  - Section A: 20 minutes
  - Section B: 15 minutes
  - Section C: 55 minutes (including reading time for **Document I**)



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

## Section A

Answer **Questions 1 to 3**.

There are 20 marks for this section.

### Question 1

- 1 Imagine you are a police chief in charge of the drugs squad. You have a £200 000 budget to spend on a drugs swoop, and there are two options, each costing the full £200 000.

**Option A:** go for a big drugs bust that could result in a haul of illegal drugs worth a total of £4 million.

or

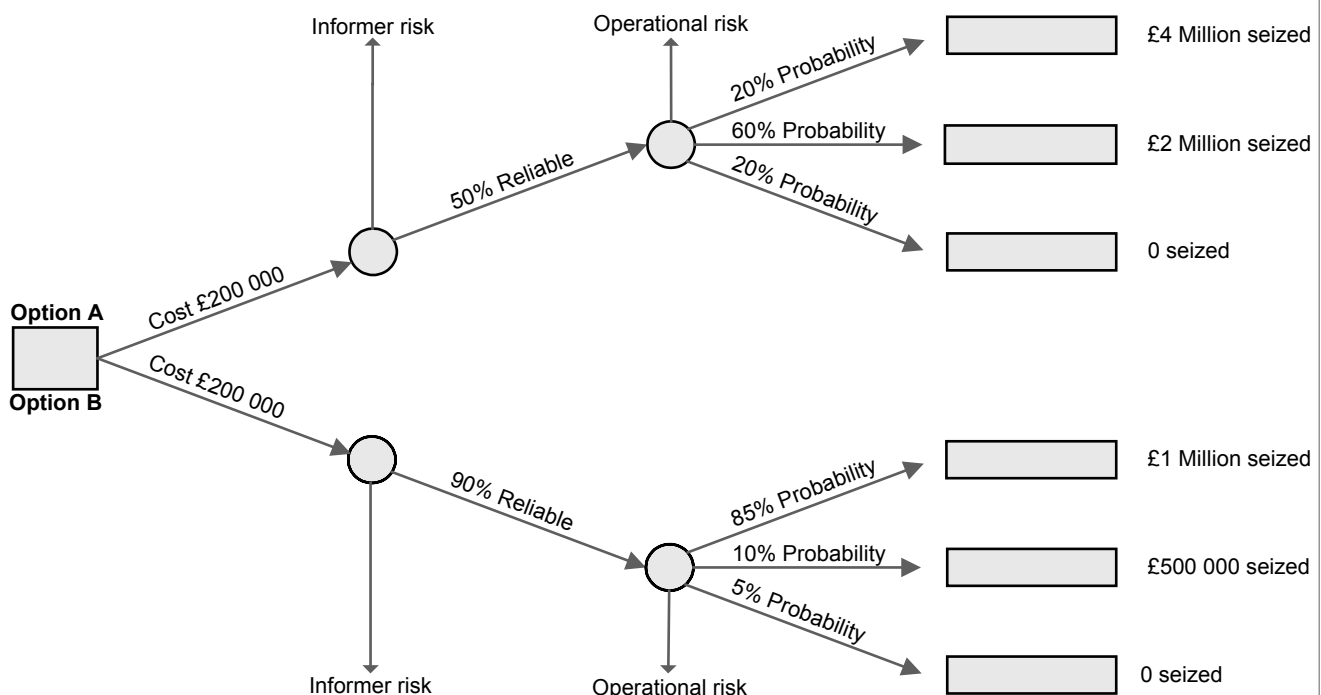
**Option B:** go for a smaller anti drug operation that could net a haul of illegal drugs worth a total of £1 million.

But the risks are different for each option.

In **Option A**, you are relying on a tip-off from an informer whose reliability-rating is only 50/50. If the information is reliable then the chance of seizing all £4 million in the operation itself is only 20%; of seizing £2 million, 60%; otherwise it is a complete failure and nothing is seized.

In **Option B**, there is a 90% chance that your informer is reliable. If the information is reliable then your chance of seizing all £1 million is 85%; of seizing £500 000, 10%; otherwise it is a complete failure and nothing is seized.

All of the information above is set out in the decision tree below:









**Section B**

Answer **Questions 4 and 5.**

There are 10 marks for this section.

**Question 4 refers to Document A**

**4** In paragraph 10 of **Document A**, the author states that, 'Annual deaths from drug use (about 2000) are still minuscule compared with those related to alcohol and tobacco (about 160 000).'

This is clearly intended to support the view that drugs are much safer than alcohol and tobacco.

**4 (a)** How might you use the data in **Document B** to challenge this view? (Treat the figures as accurate.)

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(3 marks)

**4 (b)** Give one moral principle that supports the argument in **Document A** paragraph 7, and indicate why it is relevant.

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(2 marks)

5



**Question 5 refers to Document H**

**5 (a)** Professor Nutt makes an analogy between taking Ecstasy and horse riding. Briefly comment on the fairness or unfairness of this analogy.

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*(3 marks)*

**5 (b)** With reference to **Document H**, suggest one political argument for sticking with prohibition of illegal drugs.

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*(2 marks)*

<b>5</b>

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**Section C**

Study **Document I**, provided in the insert 'Unseen Source Material'  
before answering **Questions 6 to 9**.

There are 40 marks for this section.

**Question 6**

**6** Briefly explain why the UK government urgently needs to rethink its strategy on the control of illegal drugs.

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*(3 marks)*

<b>3</b>











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ANSWER IN THE SPACES PROVIDED**

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