

Centre Number						Candidate Number				
Surname										
Other Names										
Candidate Signature										

For Examiner's Use	
Examiner's Initials	
Question	Mark
1	
2	
3	
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6	
7	
8	
9	
10	
TOTAL	



General Certificate of Education  
Advanced Subsidiary Examination  
January 2011

# Critical Thinking

# CRIT1

## Unit 1 Critical Thinking Foundation Unit

Monday 10th January 2011 1.30 pm to 3.00 pm

**For this paper you must have:**

- a Source Booklet (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 marks for questions are shown in brackets.
- The maximum mark for this paper is 70 (50 for Section A and 20 for Section B).
- 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 examination is as follows:
  - Initial reading: up to 15 minutes
  - Section A: 45 minutes
  - Section B: 30 minutes.



J A N 1 1 C R I T 1 0 1

**Section A**

Study **Documents A, B and C** before answering all the questions in the spaces provided.

There are 50 marks for this section.

**Questions 1 and 2 refer to Document A.**

**1 (a)** In the third paragraph, Mike Letnic is said to have described the 77% of some populations of freshwater crocodiles that have died since 2005 as 'particularly worrying'.

What support does he provide for this view?

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*(2 marks)*

**1 (b)** Identify **one** implicit assumption that Letnic's argument makes.

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*(2 marks)*

<b>4</b>



**2** Letnic claims that “If it had been whales or some species with big brown eyes everyone would have been up in arms”.

What is Letnic implying about people’s attitudes to animals?

Give **two** points.

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(4 marks)

<b>4</b>

**Turn over for the next question**

**Turn over ▶**



**Question 3** refers to **Document A** and **B**.

**3** Look closely at the way the dialogue begins:

**Paul** Let evolution take its course! Maybe the “freshies” will evolve.

**Zack** Good point! This could be an excellent experiment in evolution.  
Let’s wait and see what happens.

**Dilan** Evolution happens to species within their natural environment. You can’t  
release a creature elsewhere and hope it will evolve. It’s like throwing yourself  
in the sea hoping you’ll evolve into a fish and start swimming.

Comment critically on **Dilan’s** response to what **Paul** and **Zack** say.

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(4 marks)

<b>4</b>



**Questions 4 to 6 refer to Document B.**

**4** Consider the following contribution by **Reena**.

It's not such a big worry that people have gone and introduced these toads. Similar things happen naturally. Species travel of their own accord, often by obscure methods such as clinging to a palm leaf in the ocean for a few weeks. It won't be the first time a species has had to adapt to the arrival of a new species.

**4 (a)** What is **Reena's** conclusion?

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(1 mark)

**4 (b)** Identify an implicit assumption **Reena** is making.

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(2 marks)

**Question 4 continues on the next page**

**Turn over ▶**



**4 (c)** Now consider the exchange between **Mehmet** and **Zack** that follows **Reena's** argument:

**Mehmet** That doesn't mean that you can just go around introducing species wherever you want, Reena!

**Zack** You're not being fair to Reena's argument, Mehmet. Reena wasn't saying that.

**Mehmet** But her argument implied it.

With reference to **Reena's** argument, who is right? **Mehmet** or **Zack**? Explain your answer.

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(4 marks)

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5 Consider the following comment by **Paul**.

I think you'll find it's not the first time a species has been introduced to a new environment by humans.

In reply, Mehmet asks the following rhetorical question.

Oh, so that makes it OK on this occasion does it?

5 (a) Explain why **Mehmet** is right to think that it does not make it OK.

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(2 marks)

5 (b) Comment critically on what **Reena** says after the question **Mehmet** asks.

Whether or not it was man that introduced the pest is irrelevant: species invade and the existing ones must cope or die.

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(4 marks)

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Turn over ▶



**6** Consider **Steffi's** final comment.

We should just let nature take its course.

How successfully does this resolve the debate? Explain your answer.

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(4 marks)

<b>4</b>





**Questions 7 to 9** refer to **Document A** and **C**.

**7** Compare and contrast the situations in **Document A** and **Document C** with regard to invasive species.

Suggest **three** significant ways in which the situations are and/or are not analogous (similar).

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(3 marks)

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**Turn over for the next question**

**Turn over ▶**



**8** Consider the argument by Lawrence Fisher titled 'RESPONSE TO THE ARTICLE' (Document C). The argument is written in response to Simon Barnes's article.

**8 (a)** Explain the basic structure of the argument, identifying any conclusions that are drawn and the grounds provided.

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**8 (b)** Identify **two** implicit assumptions that Lawrence Fisher makes.

For each assumption, say whether or not you think it is warranted, explaining briefly why.

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(6 marks)

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**Turn over for the next question**

**Turn over ▶**



9 With reference to the article itself, and also the definition of speciesism as given in **Document C**, do you agree with the Lawrence Fisher's view that Simon Barnes in (writing) his article is 'guilty of speciesism'?

Justify your answer by:

- considering what case, if any, there might be in support of the action which has been taken against the crows (and which Barnes is defending);
- referring closely to the definition of speciesism provided in **Document C**;
- deciding whether or not you think Fisher's allegation is fair or unfair.

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(7 marks)

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**Section B**

Answer this question in the space provided.

There are **20 marks** for this question.

**10** 'We as humans have to act like God's gardeners. By this I mean we have a duty, a moral duty, to take steps to save endangered species from extinction'.

To what extent do you agree with the above view? Write a reasoned argument in support of your position.

In answering this question you should:

- state your conclusion (or conclusions) clearly;
- offer effective reasoning to support your conclusions;
- use the information, and respond to issues or arguments, in **Documents A - C**. You may also if you wish refer to material in the **Appendix**.

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