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Centre Number						Candidate Number				
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**OXFORD CAMBRIDGE AND RSA EXAMINATIONS
ADVANCED SUBSIDIARY GCE**

F501

CRITICAL THINKING

Unit 1: Introduction to Critical Thinking

MONDAY 11 JANUARY 2010: Afternoon

DURATION: 1 hour 30 minutes

SUITABLE FOR VISUALLY IMPAIRED CANDIDATES

Candidates answer on the Question Paper

OCR SUPPLIED MATERIALS:

Resource Booklet

OTHER MATERIALS REQUIRED:

None

READ INSTRUCTIONS OVERLEAF

INSTRUCTIONS TO CANDIDATES

- **Write your name clearly in capital letters, your Centre Number and Candidate Number in the boxes on the first page.**
- **Use black ink. Pencil may be used for graphs and diagrams only.**
- **Read each passage in the Resource Booklet before starting to answer the questions.**
- **Read each question carefully and make sure that you know what you have to do before starting your answer.**
- **Answer ALL the questions.**
- **Write your answer to each question in the space provided, however additional paper may be used if necessary.**

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 75.**
- **You are advised to spend about 10 minutes reading the resource materials, about 35 minutes on Section A and about 40 minutes on Section B.**
- **Marks are available for the quality of written communication in your answers.**

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SECTION A – THE LANGUAGE OF REASONING

Answer ALL questions.

You should read the background information and then refer to DOCUMENT 1 ‘Blackouts are a disturbing safety issue’ PARAGRAPHS 1, 2 and 3 in order to answer the questions in Section A.

1 You should use the exact words of the author in your answers to questions 1(a), 1(b) and 1(c).

(a) State the MAIN CONCLUSION of the argument presented in paragraphs 1, 2 and 3.

_____ [3]

(b) State THREE argument indicator words that are used in paragraphs 1, 2 and 3.

1 _____ [1]

2 _____ [1]

3 _____ [1]

(c) From the COUNTER ARGUMENT presented in paragraph 1 state:

- the CONCLUSION of the counter argument

[3]

- the HYPOTHETICAL REASON given in the counter argument

[3]

- one other REASON given in the counter argument

[3]

2 Consider the SECOND sentence in paragraph 2, 'Essex County Council insisted that vandalism and petty crime had not increased since it started its blackout trials.'

(a) Name the argument element used.

_____ [2]

(b) Explain your answer to 2(a).

_____ [2]

3 In PARAGRAPH 1 the author refers to the city of Fairbanks in the US state of Alaska.

Explain TWO ways in which Fairbanks' street lighting bill might or might not be typical of other cities' street lighting bills.

(a) _____

_____ [2]

(b) _____

_____ [2]

- 4 (a) State the assumption that must be made about sodium street lamps in PARAGRAPH 1.

[3]

- (b) Those opposed to turning out street lights might argue, 'Councils can reduce their carbon footprint without resorting to a blackout.' Suggest ONE reason of your own to support this. You should not include any other argument elements.

[3]

5 Consider the argument presented in PARAGRAPH 3. Assess how strongly the reasons support the conclusion.

You should include:

- **two DEVELOPED points**
- **these should refer directly to the LINKS between the reasons and the conclusion.**

- _____

- _____

[6]

Section A Total [35]

SECTION B – CREDIBILITY

Answer ALL questions.

You should refer to all the material in the resource booklet in order to answer the questions in Section B.

6 Assess the credibility of DOCUMENT 2 from TheAA.com.

You should make TWO points.

Each point should identify and use a relevant credibility criterion to assess the credibility of the document and support this with reference to the text.

• _____

_____ [3]

• _____

_____ [3]

7 In DOCUMENT 2, the Transport Minister claims, ‘Experience shows that better street lighting helps improve road safety, as well as reducing crime and fear of crime.’

(a) Identify a claim and its source, within DOCUMENT 1, that CORROBORATES this claim.

[2]

(b) Identify a claim and its source, within DOCUMENT 1, that is INCONSISTENT with this claim.

[2]

- 8 (a) Refer to DOCUMENT 1. Assess the credibility of one claim made by the HAMPSHIRE RESIDENT in paragraph 5 and one made by the BUCKINGHAM COUNTY COUNCILLOR in paragraph 6.

Apply TWO credibility criteria to explain how these may strengthen or weaken the credibility of the selected claim.

HAMPSHIRE RESIDENT’S CLAIM

_____ [1]

Assessment

• _____

_____ [3]

• _____

_____ [3]

BUCKINGHAM COUNTY COUNCILLOR'S CLAIM

_____ [1]

Assessment

- _____

_____ [3]

- _____

_____ [3]

(b) **EXPLAIN** what other information you would need to know in order to reach one of your points of assessment in 8(a) about the credibility of **THE HAMPSHIRE RESIDENT'S** claim. You should make **ONE** precise point.

[3]

9 Come to a judgement as to whether turning off street lights in suburban areas between midnight and 5am would make these areas less safe at these times than if they were lit. You should make a reasoned case with a judgement based on:

- **the relative credibility of both sides**
- **the relative plausibility (likelihood) of both outcomes i.e. areas are less safe than when lit, or they are as safe as when lit.**

Your answer should include sustained comparisons within each of these tasks and must refer to the material within the documents.

[13]

Section B Total [40]

Paper Total [75]

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