OCR
Oxford Cambridge and RSA

Thursday 18 May 2017 – Afternoon

AS GCE CRITICAL THINKING

F501/01 Introduction to Critical Thinking
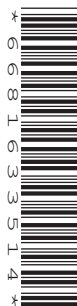
Candidates answer on the Question Paper.

OCR supplied materials:
*   Resource Booklet

Other materials required:
None

Duration: 1 hour 30 minutes

Candidate forename		Candidate surname	

Centre number						Candidate number				

INSTRUCTIONS TO CANDIDATES

*   Write your name, centre number and candidate number in the boxes above. Please write clearly and in capital letters.
*   Use black ink. HB pencil may be used for graphs and diagrams only.
*   Answer **all** the questions.
*   Read each document in the Resource Booklet before starting to answer the questions.
*   Read each question carefully. Make sure you know what you have to do before starting your answer.
*   Write your answer to each question in the space provided. If additional space is required, you should use the lined page(s) at the end of this booklet. The question number(s) must be clearly shown.
*   Do **not** write in the barcodes.

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 Booklet, about 35 minutes on Section A and about 40 minutes on Section B.
*   Quality of Written Communication will be assessed in this paper.
*   This document consists of **16** pages. Any blank pages are indicated.

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2

SECTION A – The language of reasoning

Answer **all** the questions.

Read **all** the documents in the Resource Booklet before you answer the questions.

Question 1 in all parts refers to Document 1 '*Wearable* Computers'.

In your answers to all parts of Question 1, you should use the exact words of the author.
You must give only the argument element asked for and include no other material.

1 **(a)** State one **argument** given in paragraphs 1–3 of **Document 1**.

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.... **[2]**

(b) State one **counter-assertion** given in **Document 1** against *wearables*.

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.... **[2]**

(c) State **three argument indicator words** used in paragraph 6 of **Document 1** and state the
argument element each indicates.
E.g. therefore – conclusion.

• .... – ....

• .... – ....

• .... – ....

[3]

(d) State **an example** given in **three different** paragraphs of **Document 1** and briefly state what each is intended to exemplify.

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This is used as an example of ....

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This is used as an example of ....

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This is used as an example of ....

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[3]

(e) State one piece of **evidence** used in **Document 1**.

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.... **[2]**

2 In **Document 2**, a **smartphone research analyst** claims:

'I do think though that society isn't ready for another smart device with the always-connectedness that this technology implies.'

(a) State the **argument element** above.

.... **[1]**

(b) Explain your answer to **2(a)** with reference to the text.

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.... **[3]**

3 **Question 3 refers to Document 3 'Students and smartphones'.**

(a) In paragraph 3 of **Document 3** the authors claim that when the students were surveyed:

'Over 92% had an active Facebook account and 81% had an active account on Twitter. Google+ and YouTube were also popular.'

Explain one way in which the use of social media by MIS university students in the US might **be representative** of student use elsewhere.

(i) ....

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.... **[2]**

Explain one way in which the use of social media by MIS university students might **not be representative** of student use elsewhere.

(ii) ....

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.... **[2]**

(b) Explain one way in which the table within the survey might be **weak** evidence of how MIS university students use smartphones. You should give a developed answer.

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.... **[2]**

4 **(a)** In paragraph 4 of **Document 1** the author makes a claim about the Filip band:

'**As it has the facility to call up to five stored numbers, it enables children to make quick and easy contact.**'

State an **assumption** that is needed to support this reasoning.

....

.... **[3]**

(b) In paragraph 2 of **Document 3** the **Head of MIS Research** claims:

'**This generation of students is of the opinion that they can multi-task, so professors should not be offended by these students using smartphones in the classroom.**'

State an **assumption** that is needed to support this reasoning.

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.... **[3]**

5 Suggest **one** reason of your own to support the following possible claim:

Wearable technology should not be developed as part of children's clothing.

You must give **only** one reason and not add other argument elements.

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.... **[3]**

6

6   Consider the argument presented in **Document 2** by the **contributor to a road safety forum**.

Explain one **weakness** in the support that the reasoning gives to the conclusion.

You should look at the argument made by the contributor to a road safety forum. Make one **developed point** that refers directly to their argument, assessing the **link** between the reasoning and the conclusion.

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.... **[4]**

7

SECTION B – Credibility

Answer **all** questions.

7   Assess the credibility of **Document 3** from the **MIS staff research team at Alabama State University, USA**.

You should make **two** points.

Each point should identify and use a relevant **credibility criterion** to assess the credibility of the document. You should support each point with a **relevant reference to the text** in **Document 3**.

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[6]

8   Identify **two** claims that are made about the impact of *wearables* in **Document 2** which are inconsistent with each other.

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[2]

9 **(a)** Assess the credibility of the following claim made by a **security strategist at Symantec** in **Document 2**.

'**One of the most apparently innocent forms of** *wearable* **technology, smart fitness bands, will provide an even richer source of data for cybercriminals to exploit.**'

Apply **three different credibility criteria** to explain how these may **strengthen** or **weaken** the credibility of this claim.
In your answer you should:
- assess the credibility of **this particular claim**
- assess what else you need to know to come to **each** of these three assessments.

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[13]

(b) Weigh up the relative importance of the credibility criteria used in 9(a) and explain which **one** you consider to be **more important** in this case.

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.... **[3]**

10 Write a reasoned case which comes to a **judgement** as to whether or not *wearables* will benefit modern living.

You should assess:

- the **relative credibility** of the sides giving their views for and against *wearables*

- the **relative plausibility** (likelihood) as to whether or not *wearables* will benefit modern living.

Your answer should include sustained comparisons within each of these tasks and must refer to the material within the documents in addition to your own ideas. **[16]**

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END OF QUESTION PAPER

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ADDITIONAL ANSWER SPACE

If additional space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margin(s).

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