

Centre Number						Candidate Number				
Surname										
Other Names										
Candidate Signature										



General Certificate of Education
Advanced Subsidiary Examination
January 2013

Information and Communication Technology **INFO1**

Unit 1 Practical Problem Solving in the Digital World

Thursday 17 January 2013 9.00 am to 10.30 am

For this paper you must have:

- your Sample Work and attach it with a completed and signed Candidate Record Form to this question paper/answer booklet at the end of the examination.
- Insert for use with Questions 1, 3 and 6 (enclosed).

For Examiner's Use	
Examiner's Initials	
Question	Mark
1	
2	
3	
4	
5	
6	
7	
TOTAL	

Time allowed

- 1 hour 30 minutes

Instructions

- Use black ink or black ball-point pen. Use pencil only for drawing.
- 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 80.
- Question 7 should be answered in continuous prose.
In this question you will be marked on your ability to:
 - use good English
 - organise information clearly
 - use specialist vocabulary where appropriate.

Warning If you do not hand in both this question paper/answer booklet and your Sample Work it may not be possible to issue a result for this unit.



J A N 1 3 I N F O 1 0 1

M/Jan13/INFO1

INFO1

Section A

Answer **all** questions in the spaces provided.

- 1** **Figure 1** on the insert shows a typical user interface for a mobile phone.

Explain, using an example, what is meant by applications software (apps) in mobile phone technology and why the availability of apps has led to the increased popularity of smart phones.

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(4 marks)

4



2 Repetitive Strain Injury (RSI) and eye strain are health problems associated with the regular use of an ICT system.

2 (a) Give another example of a health problem that can arise with the regular use of an ICT system.

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(1 mark)

2 (b) Explain a measure that could be put in place to prevent your identified health problem.

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(2 marks)

3

Turn over for the next question

Turn over ►



3 **Figure 2** on the insert shows an online sign up form for AQA Email.

For each of the fields labelled A to E in **Figure 2** state the type of data input check that could be used and explain how it would ensure robust data entry.

The data input checks must be different in each case.

A

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(2 marks)

B

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(2 marks)

C

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(2 marks)

D

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(2 marks)



E

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(2 marks)

10

Turn over for the next question**Turn over ►**

7



Section B

Answer **all** questions in the spaces provided.

- 5** Answer this question using the Sample Work that you have brought into the examination with you.

For this question:

- you **must** give the page number of where the evidence for your answer may be found in your Sample Work.
- you **must** write the question number in the margin of that page in your Sample Work.

- 5 (a)** Give the page number in your Sample Work where you identify your Client's requirements.

Page.....

In your Sample Work, write '5(a)' in the margin of that page next to your evidence.

Give **one** of your Client's requirements from your Sample Work and explain how you would evaluate that the requirement had been met.

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(4 marks)

Turn over ►



[illegible][illegible]

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Turn over ►



5 (e)

Explain what you should do if the actual result for a test were different from the expected result.

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(4 marks)

24



Compare and contrast the design of the two web pages.

This image shows a full page of white paper with horizontal dotted lines. The lines are evenly spaced and run across the width of the page, providing a guide for handwriting or typing. There are no margins, text, or other markings on the page.

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(12 marks)

12



Turn over for the next question

**DO NOT WRITE ON THIS PAGE
ANSWER IN THE SPACES PROVIDED**

Turn over ►



7 A student is going to take a gap year to backpack around the world.

Discuss the available mobile devices, equipment and application software that could be of use to the student on her travels and recommend what she should take with her.

In this question you will be marked on your ability to use good English, to organise information clearly and to use specialist vocabulary where appropriate.

This space is available for planning your answer, if you wish to use it. (20 marks)

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[illegible]

[illegible]

20

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