

Centre Number						Candidate Number				
Surname										
Other Names										
Candidate Signature										

For Examiner's Use	
Examiner's Initials	
Question	Mark
1	
2	
3	
4	
5	
6	
7	
8	
TOTAL	



General Certificate of Education  
Advanced Subsidiary Examination  
January 2012

# Information and Communication Technology **INFO1**

## Unit 1 Practical Problem Solving in the Digital World

Monday 16 January 2012 1.30 pm to 3.00 pm

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.

### 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 80.
- Question 8 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 2 I N F O 1 0 1

**There are no questions printed on this page**

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



**SECTION A**

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

**1 (a)** Name a storage device.

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(1 mark)

**1 (b)** Name a storage medium.

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(1 mark)

2

**2 (a)** At what stage of providing an ICT solution to a problem would you need to ask yourself the following questions:-

Does the solution do what it is supposed to do?  
Does the solution do it in the way it is supposed to do it?

.....  
(1 mark)

**2 (b)** What is the purpose of asking yourself these questions?

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.....  
.....  
.....  
(2 marks)

3

**Turn over ▶**



**3** For each of the diagrams below, describe the technique that has been used to ensure robust data entry.

**3 (a)**

Choose password	<input type="text"/>
Re-enter password	<input type="text"/>

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(2 marks)

**3 (b)**

Customer Number *	<input type="text"/>
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(2 marks)

**3 (c)**

Product Number	<table border="1"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>						e.g.XX999

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(2 marks)



3 (d)

Mobile Telephone  
Number

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(2 marks)

8

4

What input devices could be used to prevent unauthorised access to an ICT classroom?

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(2 marks)

2

**Turn over for the next question**

**Turn over ▶**



**5** You have been asked to provide information on the 2012 Olympic Games to a class of 11 year olds.

Describe and justify how to provide this information using ICT.

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(5 marks)

<b>5</b>



**SECTION B**

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

**6** 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.

**6 (a)** Give the page number in your Sample Work where you have described your problem.

Page.....

*In your Sample Work, write '6(a)' in the margin of that page next to your evidence.*

With reference to your Sample Work, describe the problem for which your client needed a solution.

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*(2 marks)*

**6 (b)** Explain what is meant by the term *user*.

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*(2 marks)*

**Question 6 continues on the next page**

**Turn over ▶**



**6 (c)** Describe how you could have identified the skills of the user(s) of your solution and justify why this would be suitable.

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*(3 marks)*









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(12 marks)






<b>25</b>

**Turn over for the next question**

**Turn over ▶**



7 For each of the following, state if it meets health and safety guidelines for a computer user by circling either 'Yes' or 'No' and justify your choice in the space provided.

Equipment	Meets Guidelines?	Justification
 <p>© Getty Images/Ryan McVay</p>	<p>Yes</p> <p>No</p>	<p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>
 <p>© Thinkstock</p>	<p>Yes</p> <p>No</p>	<p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>
	<p>Yes</p> <p>No</p>	<p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>
	<p>Yes</p> <p>No</p>	<p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>
	<p>Yes</p> <p>No</p>	<p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>

(15 marks)



**8** You are a young entrepreneur setting up a business to provide a Health and Fitness Gym in your local community.

Discuss the hardware, communication technologies and software you could purchase before you start trading and why you would need them.

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. (20 marks)

*This space is available for planning your answer, if you wish to use it.*

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**Turn over ▶**



A large rectangular box containing 25 horizontal dotted lines for writing.



A large rectangular box containing 25 horizontal dotted lines for writing.

Turn over ▶



