

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	
TOTAL	



General Certificate of Education
Advanced Subsidiary Examination
January 2009

Information and Communication Technology INFO1

Unit 1 Practical Problem Solving in the Digital World

Monday 12 January 2009 1.30 pm to 3.00 pm

For this paper you must have:

- your Sample Work.

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. Answers written in margins or on blank pages will not be marked.
- Do all rough work in this book. Cross through any work you do not want to be marked.
- Attach a completed and signed Candidate Record Form to the front of your Sample Work.
- You must tie your Sample Work to this question paper/answer booklet.
- At the end of the examination hand in **both** this question paper **and** your Sample Work documentation to the invigilator.
- **Warning:** If you do not hand in both documents it may not be possible to issue a result for this unit.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 80.
- You will **not** gain credit for the use of brand names in your answers.
- 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.

Advice

- You are advised to spend about 30 minutes on Section A.



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M/Jan09/INFO1

INFO1

SECTION A

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

You are advised to spend about 30 minutes on this section.

1 Folders are used to organise files on computers.

Draw a suitable folder structure that a teacher, who teaches four classes, could use to organise class attendance lists, homework records and end of term reports.

(3 marks)

3

2 Explain, using an example, what is meant by a *client*, a *user* and an *audience*.

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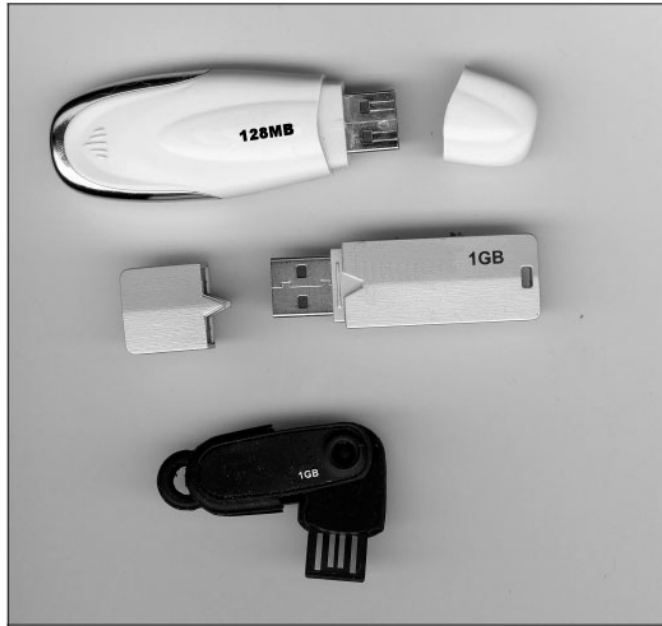
(4 marks)

4



3 Study **Figure 1** below.

Figure 1



3 (a) Describe some possible uses for this type of device.

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(4 marks)

Question 3 continues on the next page

Turn over ▶



3 (b) Explain why someone would choose to use this type of device.

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(2 marks)

3 (c) Explain possible **disadvantages** of using this type of device.

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(3 marks)

4 Word processing software can be used to perform many different tasks.

Describe a task that you have completed using word processing software and explain how the functionality of the software helped you to complete the task effectively.

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(6 marks)

9

6



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.

PROBLEM IDENTIFICATION

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** requirement from your Sample Work for what the solution is to produce.

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Give **one** requirement from your Sample Work for how the solution is to work.

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(2 marks)

Question 5 continues on the next page

Turn over ▶



5 (b) With reference to your Sample Work, interpret one of the requirements you have identified in part 5(a) as input(s), process(es) and output(s).

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(6 marks)

5 (c) Give the page number in your Sample Work where you identify the user’s skills.

Page

In your Sample Work, write ‘5(c)’ in the margin of that page next to your evidence.

How did you find out about the user’s skills?

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(2 marks)



TESTING

5 (d) Give the page number in your Sample Work for the start of your test plan.

Page

In your Sample Work, write '5(d)' in the margin of that page next to the start of your test plan.

Give the page number in your Sample Work where you have identified some test data.

Page

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

With reference to your test plan, test data and testing evidence, describe **one** test you have completed to ensure the validity of data input.

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(4 marks)

Question 5 continues on the next page

Turn over ▶



Turn over for the next question

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

Turn over ▶



- 6 **Figure 2** below shows an order form that is completed manually by a customer and then posted to the company. A data entry clerk enters the details from the form into a computer system to process the order.

Figure 2

Customer Order Form

Date: _____

Customer Number: _____ Title: Mr/Ms/Mrs/Dr/Other _____

Forename: _____ Surname: _____

Address: _____

Postcode: _____

Item Code	Description	Unit Cost	Quantity	Cost
Total				

- 6 (a) (i) On the next page, draw a design of an **input screen** for entering the order details. You may, if you wish, turn the page on its side. (6 marks)
- 6 (a) (ii) Explain how your design supports robust data entry, minimises errors and ensures accurate and valid data entry. (8 marks)



6 (a) (i)

(6 marks)

6 (a) (ii)

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Question 6 continues on the next page

Turn over ▶



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(8 marks)



7 You have been asked to give a presentation to a group of students. Discuss the possible output methods, media and devices that you could use.

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. (14 marks)

This space is available for planning your answer.

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