

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 2010

# Information and Communication Technology **INFO1**

## Unit 1 Practical Problem Solving in the Digital World

Thursday 14 January 2010 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. 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.

### 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.

**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 0 I N F O 1 0 1

**SECTION A**

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

**1** State, with a reason, what type of printer you would use for each of the following tasks.

**1** (a) Printing a letter

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*(2 marks)*

**1** (b) Printing a colour photograph

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*(2 marks)*

**2** Explain the role and functions of systems software.

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*(4 marks)*

4

4











**TESTING**

**5** (c) Explain why you need a test plan and what you would include in it.

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*(7 marks)*

**Question 5 continues on the next page**

**Turn over ▶**



5 (d) Give the page number in your Sample Work where you have included evidence of testing.

Page.....

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

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

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(4 marks)

22





**Turn over for the next question**

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

**Turn over ▶**



- 6 YZX is a toy company. It has a secure on-line shopping site where customers enter the items they wish to buy.

Figure 1 below shows an example of a completed on-screen order form for YZX.

Figure 1

YZX TOYS ORDER FORM				
			<b>DATE</b>	01/01/10
<b>CUSTOMER NO</b>	1024			
<b>FIRST NAME</b>	FRED			
<b>SURNAME</b>	BOND			
<b>ADDRESS</b>	22 FERNOD STREET			
<b>TOWN</b>	MYTOWN			
<b>POSTCODE</b>	PY23 4ZX			
<b>ITEM CODE</b>	<b>PRODUCT DESCRIPTION</b>	<b>QUANTITY</b>	<b>PRICE PER ITEM</b>	<b>TOTAL</b>
ACC124	CUDDLY TOY	2	14.50	29.00
ADZ691	SPARKLY PEN	10	1.20	12.00
			<b>TOTAL BEFORE VAT</b>	£41.00
			<b>VAT @ 17.5%</b>	£ 7.18
			<b>TOTAL</b>	£48.18







7 A company that uses ICT systems has particular responsibility for its employees' health and safety. Likewise, each employee has responsibility for their own health and safety when they are working with ICT systems.

Discuss these responsibilities with reference to the use of ICT systems.

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.

(18 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, intended for writing or marking.



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

**Turn over ▶**



