Centre Number				Candidate Number		
Surname						
Other Names						
Candidate Signature	·					·



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.

For Exam	iner's Use
Examine	r's Initials
Question	Mark
1	
2	
3	
4	
5	
6	
7	
TOTAL	

SECTION A

Answer all questions in the spaces provided.

	Duinting of Letters
(a)	Printing a letter
	(2 marks)
(h)	Printing a colour photograph
(0)	Frinting a colour photograph
	(2 marks,
	(2 marks)
	(2 marks)
Expl	
Expl	(2 marks)
Expl	



Identify a task that you have completed using spreadsheet software and explain how the functionality of the software helped you to complete the task effectively.
(6 mai

6

Turn over ▶



A friend has Media Studies coursework that she needs to store electronically so that she can work on it both at home on her laptop and in school on a networked PC. She has asked you to advise her on which storage media she should use.
Explain what you would need to ask her about before offering her advice.
(6 marks)



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 of your Client's requirements from your Sample Work and explain how you would evaluate that the requirement had been met.
		(5 marks)

Question 5 continues on the next page

Turn over >



(b)	Give the page number in your Sample Work where you identify the input, processing and output for your solution.
	Page In your Sample Work, write '5(b)' in the margin of that page next to your evidence.
	Describe one of the processes required in your solution and explain the input(s) neede for the process and the output(s) required from that process.
	(6 mark



EST	TING		
(c))	Explain why you need a test plan and what you would include in it.	
		(7 marks)	
		Ouestion 5 continues on the next page	

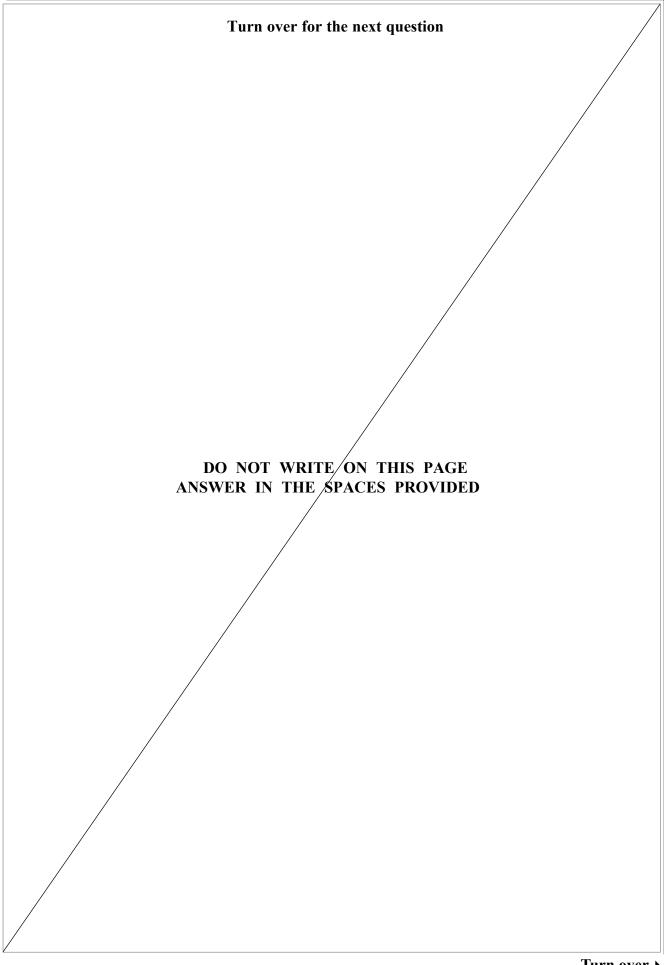
Turn over >



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









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		
		DATE	01/01/10
CUSTOMER NO	1024		
FIRST NAME	FRED		
SURNAME	BOND		
ADDRESS	22 FERNOD STREET		
TOWN	MYTOWN		
POSTCODE	PY23 4ZX		

ITEM CODE	PRODUCT DESCRIPTION	QUANTITY	PRICE PER ITEM	TOTAL
ACC124	CUDDLY TOY	2	14.50	29.00
ADZ691	SPARKLY PEN	10	1.20	12.00
		TOTA	L BEFORE VAT	£41.00
			VAT @ 17.5%	£ 7.18
			TOTAL	£48.18



	Cons	sider the data that would need to be entered on to the order form shown in Figure 1 .		
		design of an input form can help a customer to complete the form. With reference to are 1 answer the questions which follow.		
6	(a)	Explain which fields an existing customer would need to enter data into and what validation checks could be made on these fields.		
		(10 marks)		
		Question 6 continues on the next page		



Turn over ▶

6	(b)	Explain which fields would be populated automatically by the system and describe the processes required to complete this form.
		(10 marks)

20



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.



Areas outside the box will not be scanned for marking





END OF QUESTIONS

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