

Centre Number						Candidate Number				
Surname										
Other Names										
Candidate Signature										

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



General Certificate of Education
Advanced Subsidiary Examination
January 2010

Information and Communication Technology **INFO2**

Unit 2 Living in the Digital World

Friday 22 January 2010 9.00 am to 10.30 am

You will need no other materials.

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 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.



J A N 1 0 I N F O 2 0 1

SECTION A

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

1 The use of ICT can be influenced by economic factors.

Give **two** other factors that can influence the use of ICT.

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(2 marks)

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2

2 (a) Define the term information.

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(2 marks)

2 (b) State **three** factors that affect the quality of information.

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(3 marks)

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3 Read the following questionnaire given to hotel guests on their departure.

BOADICIA HOTEL

We continually strive to improve our service.
Please take a moment to share your experience with us.

Gender (please circle) Male Female

Your age group (please circle) 18-30 31-50 51-70 over 71

Please tell us about the quality of our food on a scale of 1 to 5, (5 being the best)
1 2 3 4 5

Please tell us about the quality of our service on a scale of 1 to 5, (5 being the best)
1 2 3 4 5

Please tell us about the quality of our accommodation on a scale of 1 to 5, (5 being the best)
1 2 3 4 5

Thank you for your time.
Your replies will be entered into a data processing system to enable us to improve our service to future guests.

- 3 (a) Before this data is entered into a data processing system the customer’s gender is coded as M or F and their age group is coded as 1, 2, 3 or 4.

Why is this data coded before it is entered?

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(3 marks)

- 3 (b) When the coded data is entered into a data processing system it is encoded.

Why does the data need to be encoded?

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(1 mark)

Turn over ▶



4 (a) Give **three** benefits of using computer networks.

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(3 marks)

4 (b) Intranets and extranets are networks.

Describe their characteristics.

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(4 marks)

7



SECTION B

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

- 6 (a) The Smith family have decided to have a family website. Mr Smith will use specialist design software to produce the website. This software has a Graphical User Interface (GUI).

Explain what features of a GUI would make it suitable for Mr Smith.

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(5 marks)



7 (a) Using pirated software, which is not licensed, is a crime.

What is the name of the current legislation which makes it illegal to use unlicensed software?

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(1 mark)

7 (b) You are a data subject and will have personal data stored about you by different organisations.

Explain, using examples, what is meant by *a data subject* and *personal data*.

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(6 marks)



8 The rapid development of ICT has enabled more people to work from home.

Discuss the concept of working from home, including in your discussion:

- how ICT has enabled more people to work from home
- the benefits that individuals can gain from working from home
- benefits to society of more people working from home
- any negative aspects of working from home.

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 ▶



