Surname

Other Names

Candidate Signature

AQA

General Certificate of Education
Advanced Subsidiary Examination
June 2011

Information and Communication Technology INFO2

Unit 2 Living in the Digital World

Tuesday 7 June 2011   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. 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.
● 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.

Section A

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

1   What is meant by an ICT system?

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(4 marks)

4

2   Classify the following as malpractice or crime in the context of using ICT systems by placing a tick in the correct column.

		Malpractice	**Crime**
2 (a)	Leaving your computer logged on and unattended		
2 (b)	Gaining unauthorised access to a bank database and changing an account balance		
2 (c)	Writing down your password on a piece of paper and sticking it to your screen		
2 (d)	Using pirated software without a licence		

(4 marks)

4

3 (a) Describe, using examples, how data can arise.

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(6 marks)

Question 3 continues on the next page

Turn over ▶

3 (b) Look at the table below, which shows some airport names and their international codes.

Airport Name	Airport Code
Manchester	MAN
London Gatwick	LGW
Paris Charles De Gaulle	CDG

Give reasons why coded airport names are used in ICT systems.

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(4 marks)

10

4 Describe the characteristics of local area networks and wide area networks.

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(6 marks)

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Turn over for Section B

Turn over ▶

Section B

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

5 (a) Read the following.

> Modern computer games consoles allow users to take part in simulated activities such as tennis and motor racing and also to undertake keep fit exercises.
> The manufacturers of these consoles provide a variety of different interfaces that allow users to fully interact with the console when playing these games.
> The interfaces allow pressure detection, sound detection, movements such as shaking, twisting and pointing and the monitoring of a user's pulse. The consoles also have an in-built camera that can photograph the user.

Explain what the designers of the different types of interface used would have to consider to enable players with different characteristics to interact with games consoles.

(10 marks)

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Question 5 continues on the next page

Turn over ▶

5 (b)   Explain what type of processing should be used to allow games to be played on a games console.

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(2 marks)

5 (c)   Discuss the possible consequences of playing computer games for individuals and society.   *(10 marks)*

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Turn over for the next question

Turn over ▶

6 Discuss the relationship between ICT systems and the environment.   *(14 marks)*

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Discuss the relationship between ICT systems and the environment.......................................*(14 marks)*

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Turn over for the next question

14

Turn over ▶

7 The things that people use ICT for are changing all the time. Legislation and regulations have to keep up with these changes.

Discuss, using examples, how ICT legislation and/or regulations affect your life and suggest, with reasons, future improvements to legislation and/or regulations that could be needed.

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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END OF QUESTIONS

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