

Centre Number						Candidate Number				
Surname										
Other Names										
Candidate Signature										

For Examiner's Use	
Examiner's Initials	
Question	Mark
1	
2	
3	
4	
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6	
7	
8	
TOTAL	



General Certificate of Education
Advanced Subsidiary Examination
June 2015

Information and Communication Technology

INF02

Unit 2 Living in the Digital World

Wednesday 3 June 2015 1.30 pm to 3.00 pm

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.
- 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 U N 1 5 I N F 0 2 0 1

Section AAnswer **all** questions in this section.

- 1** Using examples, describe the difference between malpractice and crime in the context of an ICT system.

[4 marks]

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- 2** **Table 1** shows part of a catalogue for a mail order company.

Table 1

Item Code	Item	Price
2345	USB Flash Drive	£12.60
2367	USB Mouse (wired)	£3.50
1346	USB Keyboard (wired)	£11.00



2 (a) When a customer sends in an order, the item code and other data are entered into a data processing system.

Explain why data is coded before being entered into a data processing system.

[5 marks]

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2 (b) When the coded data is entered into a data processing system it will be encoded.

Why does the data need to be encoded?

[1 mark]

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6

Turn over ▶







- 3** **Table 2** shows four different communication devices being used. For each picture, choose a letter from A, B, C or D which best describes the form of data being processed.

- A – Numeric
B – Sound
C – Text
D – Image

Write the letter for your answer in the box given. Each letter must only be used once.

[4 marks]

Table 2

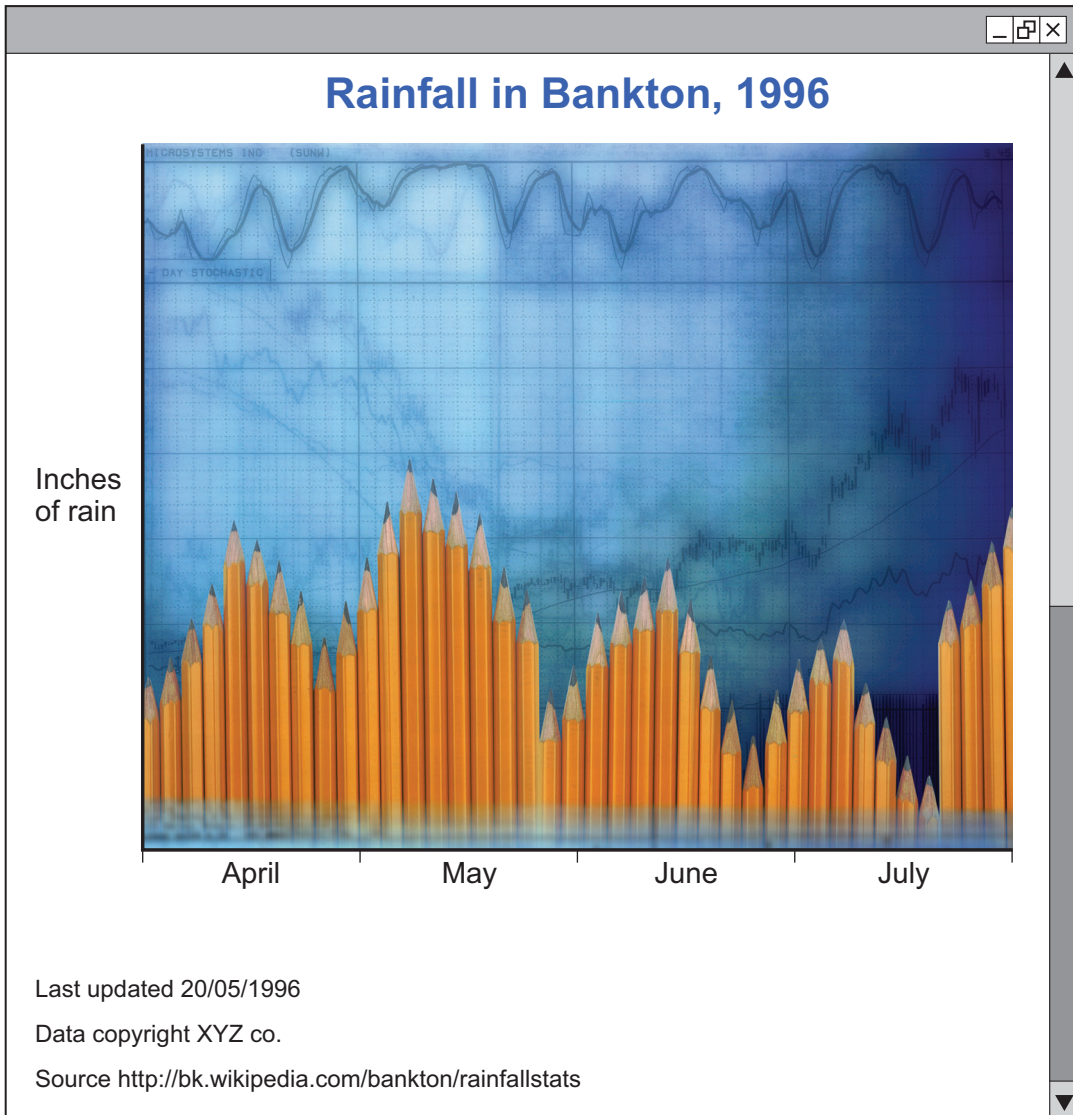
Device	Letter
 (a) Using a mobile phone	<input data-bbox="1098 840 1209 952" type="text"/>
 (b) Video conferencing	<input data-bbox="1098 1164 1209 1276" type="text"/>
 (c) Entering a PIN on an ATM	<input data-bbox="1098 1489 1209 1601" type="text"/>
 (d) Using an E-Reader	<input data-bbox="1098 1814 1209 1926" type="text"/>

4



5 Figure 1 has been taken from a wiki website.

Figure 1



A student intends to use information from **Figure 1** in an essay.

Explain, with reasons, why the student may have concerns about the quality of information obtained from **Figure 1**.

[6 marks]

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Turn over for Section B

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Section B

Answer **all** questions in this section.

6 The backup and recovery of data is an important issue when using ICT systems.

6 (a) Mobile devices can store vast amounts of data which needs to be backed up to avoid loss.

Discuss the different ways that data on mobile devices could be backed up.

[8 marks]

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6 (c) E-commerce sites, which use ICT systems, are open 24 hours a day, 7 days a week and need to provide continuity of service to their users.

Explain the ways that providers of e-commerce sites could provide continuity of service to their users.

[6 marks]

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Turn over for the next question

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7 (b) Distributed teams may consist of people working in different countries.

Explain how ICT can be used to enable effective teamwork for members of a distributed team.

[6 marks]

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8 There is a need to protect ICT systems and the data stored in them from an increasing number of threats.

Discuss this statement.

In your answer refer to the following elements:

- Hardware
- Software
- Procedures

[20 marks]

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.

This space is available for planning your answer, if you wish to use it.

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