Surname	
Other Names	
Candidate Signature	

AQA

Information and Communication Technology INFO1

Unit 1 Practical Problem Solving in the Digital World

Monday 11 May 2009 9.00 am to 10.30 am

For this paper you must have:
● your Sample Work.

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.
● Attach a completed and signed Candidate Record Form to the front of your Sample Work.
● You must tie your Sample Work to this question paper/answer booklet.
● At the end of the examination hand in **both** this question paper **and** your Sample Work documentation to the invigilator.
● **Warning**: If you do not hand in both documents it may not be possible to issue a result for this unit.

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.

Advice
● You are advised to spend about 30 minutes on Section A.

INFO1

SECTION A

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

You are advised to spend about 30 minutes on this section.

---

1 For each of the following tasks explain what you would consider to be the most suitable application software to use.

1 (a) Creating an invoice.

....

....

....

....

(2 marks)

1 (b) Creating an ICT textbook.

....

....

....

....

(2 marks)

1 (c) Keeping in touch with friends and family.

....

....

....

....

(2 marks)

6

*Areas outside
the box will
not be scanned
for marking*

2 Evaluation involves assessing the effectiveness of an ICT solution against a client's requirements.

What questions would you need to ask yourself when evaluating an ICT solution?

....

....

....

....

....

....

....

....

....

(4 marks)

3 After studying Health and Safety legislation relating to the use of ICT systems, what measures should you take to protect your health when using a computer?

....

....

....

....

....

....

....

....

....

(4 marks)

Turn over ▶

4 Explain, using examples, what is meant by validation and verification.

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

(6 marks)

6

04

*Areas outside
the box will
not be scanned
for marking*

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.

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

With reference to your Sample Work, explain what is meant by a *client*.

....

....

....

....
(2 marks)

5 (b) Explain the differences between a *user* of a solution and an *audience* for a solution.

....

....

....

....

....

....

....
(4 marks)

Turn over ▶

5 (c) Give the page number in your Sample Work where you identify the user's skills.

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

What may happen if you fail to consider your user's skills when designing a solution?

....

....

....

....

(2 marks)

5 (d) Explain how you would take account of your user's skills if you were to design a solution for their problem.

....

....

....

....

....

....

....

....

....

....

....

....

....

(6 marks)

7

*Areas outside
the box will
not be scanned
for marking*

TESTING

5 (e) Give the page number in the testing section of your Sample Work showing where there
are test(s) for one of your client's requirements.

Page...............
*In your Sample Work, write '5(e)' in the margin of that page next to the test for the
requirement you have tested.*

Describe the requirement that you have tested.

....

....

....

....

(2 marks)

5 (f) Explain how your testing ensured that this requirement had been successfully
implemented.

....

....

....

....

....

....

....

....

....

....

....

....

....

(6 marks)

Turn over ▶ │ 22 │

6 Study the screenshot below of a school web page, which provides information on the courses it offers.

School/College Name

LOGO:
Text black
Background Yellow

Background Colour Red

Date of last Update

Scroll Bar

File   Edit   View   History   Bookmarks   Tools   Help

file:///C:/Documents and Settings/Administrator/Desktop/collegiate5.htm

Most Visited   Getting Started   Latest Headlines   XML Feed

ACADEMY COLLEGIATE SCHOOL

E-MAIL

coursesadvisor@academy.co.uk
Write to us at
14 Holborn Street
Nethertown
CB45 9JK

National Diploma Courses

Introductory Diploma

National Certificate

Last updated 07th March 2008

GCSE Courses

AS Courses

A Level Courses

Other Courses

www.anyexamboard.org

Done

Contact Details

Hyperlinks

Exam board link

6 (a) A data type (object) used on the web page was text. What other data types (objects) could have been used?

....

....

....

....

(2 marks)

6 (b) You have been asked to improve the web page.

Describe, using examples, the improvements that you could make and why you would make them.

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

Turn over ▶

....

....

....

....

....

....

....

....

....

....

....

....

(14 marks)

6 (c) What can be included to ensure that the web page content is accessible to a varied audience with different particular needs, for example visually impaired users?

....

....

....

....

(2 marks)

18

7 A retired teacher is intending to travel to different parts of the world and requires a computer system to organise his travel, to keep in contact with people while he is away and to make a record of his journeys. He is unsure of what he needs to buy and has asked you to advise him.

Identify the items of hardware and software that he may need to buy, explaining how each would be of use to him.

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

....

....

....

....

....

....

....

....

Turn over ▶

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

Turn over ▶

(20 marks)

END OF QUESTIONS

20

There are no questions printed on this page

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

There are no questions printed on this page

DO NOT WRITE ON THIS PAGE
ANSWER IN THE SPACES PROVIDED