AQA

General Certificate of Education
Advanced Subsidiary Examination
June 2015

Information and Communication Technology

INFO1

Unit 1   Practical Problem Solving in the Digital World

Monday 1 June 2015   9.00 am to 10.30 am

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.

A

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 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.

INFO1

Section A

Answer **all** questions in this section.

1   Name storage media currently available to students, giving examples of what they can be used for.

[6 marks]

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2 For each item of equipment in **Table 1:**

- State if it meets health and safety guidelines for a computer user, by circling either 'Yes' or 'No'.
- Justify your choice.

[6 marks]

Table 1

Equipment	Meets Guidelines	Justification
	Yes No	
	Yes No	

Turn over for the next question

6

Turn over ▶

3 Evaluation of any ICT solution involves assessing its effectiveness against the client's requirements for that solution.

Explain how you would evaluate the effectiveness of a solution. Use at least one example of client requirements in your answer.

[4 marks]

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4 Describe the techniques you could use to ensure that data entry into an ICT system is robust.

[4 marks]

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Turn over for the next question

Turn over ▶

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.

5 (a) Give the page number in your Sample Work where you have included your problem identification.

Page...................................

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

Describe, using examples from your Sample Work, what you included in your problem identification.

[6 marks]

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5 (b) Give the page number in your Sample Work where you identify your client's requirements.

Page....................................

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

With reference to your Sample Work, explain, using examples of your client's requirements, why you needed to identify and clearly document what these requirements were.

[6 marks]

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Turn over ▶

5 (c) One reason for testing a solution is to ensure validity of data input.

What other reasons are there for testing?

[3 marks]

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5 (d) Give the page number in your Sample Work where your test plan starts.

Page....................................

In your Sample Work, write '5(d)' in the margin of the page where your test plan starts.

With reference to your test plan, test data and testing evidence, describe and justify tests you have carried out for **two** different reasons.

[10 marks]

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Turn over for Section B

Turn over ▶

Section B

Answer **all** questions in this section.

6 A Sixth Form College Principal is concerned that the marketing of the college is not effective and would like you to design a website for prospective students and their parents.

What should you consider before you start your design? How would this impact on what you would need to include on the web pages to ensure you meet the needs of a varied audience?

[15 marks]

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7   The ICT students at a college are being given the opportunity to take part in a three-week exchange with ICT students in a European country.

In the first week they will attend college and then in weeks two and three they will be out on work placement with local IT firms.

The students will have to keep up to date with their college work while they are away. They will also have to write a daily journal, keep in touch with family and friends, record their spending and create a photographic record which on their return they will present to students at their college.

Discuss the hardware and software that the students will need to take with them.

[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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Turn over ▶

Turn over ▶

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END OF QUESTIONS