Monday 5 June 2017 | Morning | Time allowed: 1 hour 30 minutes

Materials
For this paper you must have:
- your Sample Work. Attach it with a completed and signed
  Candidate Record Form to this question paper/answer booklet
  at the end of the examination.

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 and 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.
## Section A

Answer all questions in the spaces provided.

### 1. What output device would be required for the following outputs?

Your answers must be different in each case.

[4 marks]

<table>
<thead>
<tr>
<th>Output</th>
<th>Output device</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>To provide a hard copy of an essay for your teacher</td>
</tr>
<tr>
<td>B</td>
<td>To make jewellery</td>
</tr>
<tr>
<td>C</td>
<td>To read a book</td>
</tr>
<tr>
<td>D</td>
<td>To view photographs</td>
</tr>
</tbody>
</table>
2 There are potential health risks for regular users of ICT systems.

What measures can be put in place to prevent back strain and RSI?

[4 marks]

3 (a) What is the purpose of evaluating an ICT solution to a problem?

[2 marks]
3 (b) At the evaluation stage of an ICT solution to a problem, what questions would you need to ask yourself?

[3 marks]
4 Explain, using examples, what is meant by systems software and applications software.

[8 marks]
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) (i) Give the page number in your Sample Work where you have identified who needed the solution.

Page  ________________

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

With reference to your Sample Work, identify who needed the solution.  

[2 marks]

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5 (a) (ii) Give the page number in your Sample Work where you have identified one of the people who will use your solution.

Page ________________

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

With reference to your Sample Work, identify one of the people who will use your solution and describe what they will use it for.

[3 marks]

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5 (b) Explain what is meant by an audience for an ICT solution.

[2 marks]

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5 (c) Explain **four** of your client requirements. [8 marks]
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 that page next to your evidence.

Explain how your testing ensured that you met your client requirements successfully. [9 marks]

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The design of a solution should be detailed enough for a third party to be able to implement it.

**Figure 1** is an example of a poorly designed health club enrolment form.

The developer has returned it to the designer, requesting that more detail be given to ensure that the exact design can be implemented.

As the designer, what additional notes could you include to ensure that the design is fit for purpose?

[15 marks]

![Health Club Sign-up Form]

**Name**

________________________

________________________

________________________

**Address**

________________________

________________________

________________________

**Date of birth**

________________________

**Gender**

________________________

________________________

________________________
You are planning to take a gap year in 2018. During this time you hope to travel to South America to work with a charity. You will need to plan this journey in advance. While you are away you will take lots of photographs, keep in touch with friends and family, write a blog and need to keep track of your finances.

Discuss the hardware and software that you will require.

[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.