



**General Certificate of Secondary Education
June 2010**

**Information and Communication
Technology**

3528/F

**Specification B
Short Course
Foundation Tier**

Final

Mark Scheme

Mark schemes are prepared by the Principal Examiner and considered, together with the relevant questions, by a panel of subject teachers. This mark scheme includes any amendments made at the standardisation meeting attended by all examiners and is the scheme which was used by them in this examination. The standardisation meeting ensures that the mark scheme covers the candidates' responses to questions and that every examiner understands and applies it in the same correct way. As preparation for the standardisation meeting each examiner analyses a number of candidates' scripts: alternative answers not already covered by the mark scheme are discussed at the meeting and legislated for. If, after this meeting, examiners encounter unusual answers which have not been discussed at the meeting they are required to refer these to the Principal Examiner.

It must be stressed that a mark scheme is a working document, in many cases further developed and expanded on the basis of candidates' reactions to a particular paper. Assumptions about future mark schemes on the basis of one year's document should be avoided; whilst the guiding principles of assessment remain constant, details will change, depending on the content of a particular examination paper.

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1	(a)		These points Bold Font size	2 marks
1	(b)	(i)	This point B, Centred	1 mark
1	(b)	(ii)	This point D, Justified	1 mark
1	(c)		These points Correct order DBCA – 2 marks DB or CA – 1 mark	2 marks
1	(d)	(i)	This point E, Word art	1 mark
1	(d)	(ii)	This point C, Autoshape	1 mark
			Total	8 marks

2	(a)		This point spreadsheet	1 mark
2	(b)	(i)	This point A, A6 Allow; any cell reference where the content is text	1 mark
2	(b)	(ii)	This point C, C5 Allow; any cell reference where the content is number	1 mark
2	(b)	(iii)	This point. B, D8 or D, D5 Allow; any cell reference where the format is currency	1 mark
2	(b)	(iv)	This point D, D5	1 mark
2	(c)	(i)	This point The quotation can be edited to produce a similar quotation for another customer	1 mark
2	(c)	(ii)	This point The plumber must have access to a computer to produce a quotation	1 mark
			Total	7 marks

3	(a)		This point database	1 mark
3	(b)		Any reasonable, for example Address or telephone number + so that the doctor can contact the patient, <i>1+1mark</i> Allow: contact details+reason Date of Birth + so that the doctor can prescribe age related medicines more accurately, <i>1+1mark</i> NOT Age	2 marks
3	(c)	(i)	This point A, input	1 mark
3	(c)	(ii)	This point D, storage	1 mark
3	(d)		This point Admission Date	1 mark
3	(e)		This point Jackson	1 mark
			Total	7 marks

4	(a)		These points johnp@electro.sch.uk admin@hickleyhealth.co.uk	2 marks
4	(b)		These points A spreadsheet A jpg file	2 marks
4	(c)		These points When you reply to an e-mail, the e-mail is automatically addressed to the person who sent it to you When you forward an e-mail, you have to enter the e-mail address of the person you are sending it to	2 marks
4	(d)	(i)	This point When opened, the e-mail shows immediately that the home page is attractive	1 mark
4	(d)	(ii)	This point The e-mail is smaller and will upload and download faster	1 mark
			Total	8 marks

5	(a)	<p>These points Starts cutting at (1,2) and cuts line to (1,4) – <i>1 mark</i> Cuts from (1,4) to (4,4) – <i>1mark</i> Cuts from (4,4) to (4,2) – <i>1 mark</i> Completes cutting of 2x3 rectangle with no other marks or shading – <i>1 mark</i></p>	4 marks																		
5	(b)	<p>Any reasonable, for example This example of instructions to remove hole B follows the example in the question paper but can be applied to any other route. If it works, full marks</p> <table border="1" data-bbox="384 499 1134 1025"> <tr> <td data-bbox="392 499 528 566">Up</td> <td data-bbox="533 499 1126 566">Includes Up, Down, Up in sequence and no others – <i>1 mark</i></td> </tr> <tr> <td data-bbox="392 573 528 600">Move 3</td> <td data-bbox="533 573 1126 600" rowspan="5">Arrives at hole and traverses one side successfully whether cut or otherwise – <i>1 mark</i></td> </tr> <tr> <td data-bbox="392 607 528 633">Right</td> </tr> <tr> <td data-bbox="392 640 528 667">Move 1</td> </tr> <tr> <td data-bbox="392 674 528 701">Down</td> </tr> <tr> <td data-bbox="392 707 528 734">Move 1</td> </tr> <tr> <td data-bbox="392 741 528 768">Left</td> <td data-bbox="533 741 1126 768" rowspan="6">Traverses the entire hole successfully whether cut or otherwise – <i>1mark</i></td> </tr> <tr> <td data-bbox="392 775 528 801">Move 1</td> </tr> <tr> <td data-bbox="392 808 528 835">Left</td> </tr> <tr> <td data-bbox="392 842 528 869">Move 1</td> </tr> <tr> <td data-bbox="392 875 528 902">Left</td> </tr> <tr> <td data-bbox="392 909 528 936">Move 1</td> </tr> <tr> <td data-bbox="392 943 528 969">Up</td> <td data-bbox="533 943 1126 969" rowspan="2">Correct completion – <i>1 mark</i></td> </tr> <tr> <td data-bbox="392 976 528 1003">To start</td> </tr> </table>	Up	Includes Up, Down, Up in sequence and no others – <i>1 mark</i>	Move 3	Arrives at hole and traverses one side successfully whether cut or otherwise – <i>1 mark</i>	Right	Move 1	Down	Move 1	Left	Traverses the entire hole successfully whether cut or otherwise – <i>1mark</i>	Move 1	Left	Move 1	Left	Move 1	Up	Correct completion – <i>1 mark</i>	To start	4 marks
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Left																					
Move 1																					
Left																					
Move 1																					
Up	Correct completion – <i>1 mark</i>																				
To start																					
Total			8 marks																		

6	(a)	(i)	These points The text is too large to read comfortably There are spelling mistakes and grammatical errors	2 marks
6	(a)	(ii)	Any reasonable, for example The text is right justified The text does not use bullets/paragraphs/emphasis or similar to help employees make sense of it, 1m each NOT answers to 6ai	1 mark
6	(b)		These points As help in the software As a .pdf file saved on a USB memory stick	2 marks
6	(c)	(i)	This point C, Implementation	1 mark
6	(c)	(ii)	This point D, Testing	1 mark
			Total	7 marks

7	(a)	(i)	This point B, bar code reader	1 mark
7	(a)	(ii)	This point E, keyboard	1 mark
7	(b)		These points If the bar code cannot be read by the ICT system the librarian enters the number	1 mark
7	(c)	(i)	This point B, the ICT technician	1 mark
7	(c)	(ii)	This point E, the librarian	1 mark
7	(d)		These points The school library has over 50,000 books There are 2,000 pupils attending the school	2 marks
			Total	7 marks

8	(a)	(i)	These points Modem	1 mark
8	(a)	(ii)	<p>These points</p> <p>At least one of modem, router or wireless access point shown in any order – <i>1 mark</i></p> <p>+ In order from external network point: modem, router, wireless access point – <i>1 mark</i></p> <p>Star network topology centred on one of wireless access point, router or modem, with at least 3 laptops and a desktop computer – <i>1 mark</i></p> <p>Shows at least one wireless connection from a computer <u>to the Internet</u> – <i>1 mark</i></p> <p>Shows at least one wired connection from a computer <u>to the Internet</u> – <i>1 mark</i></p> <p>Shows a printer, external hard disk, scanner or other reasonable hardware – <i>max 2 marks</i></p>	4 marks
8	(b)		<p>Any reasonable, for example</p> <p>NOT ways already mentioned in the question.</p> <p>You can play a very wide variety of different games from home.</p> <p>You can play with people located <u>all over the world</u> or you can talk to and see your friends in different parts of the world or similar.</p> <p>You can use ICT at any time you wish, 24/7</p> <p>Using a dance mat you can follow a keep fit programme at home whereas otherwise you would have to go to a gym.</p> <p>You don't have to be at home to monitor your home for security purposes as you can do this from anywhere in the world.</p> <p>You can shop on line from home.</p> <p>You can do your banking on line from home.</p> <p>You can find out information without going to the library.</p> <p>You can work from home.</p> <p>Music on the computer/Internet</p> <p>Mentions TV, video or films, 1m; TV and example (iplayer), 1m; Video and example (YouTube, podcasts), 1m; Films and example (Blinkbox), 1m; max 3m</p> <p>Social networking or example (Facebook)</p> <p>E-mail or example (Outlook)</p> <p>Chat or example (MSN)</p> <p>NOT 'Communicate'</p>	3 marks
			Total	8 marks