OCR
RECOGNISING ACHIEVEMENT

GCSE

ICT B

General Certificate of Secondary Education

Unit **2380/01:** ICT B (Foundation Tier)

Mark Scheme for January 2011

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All Examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes should be read in conjunction with the published question papers and the Report on the Examination.

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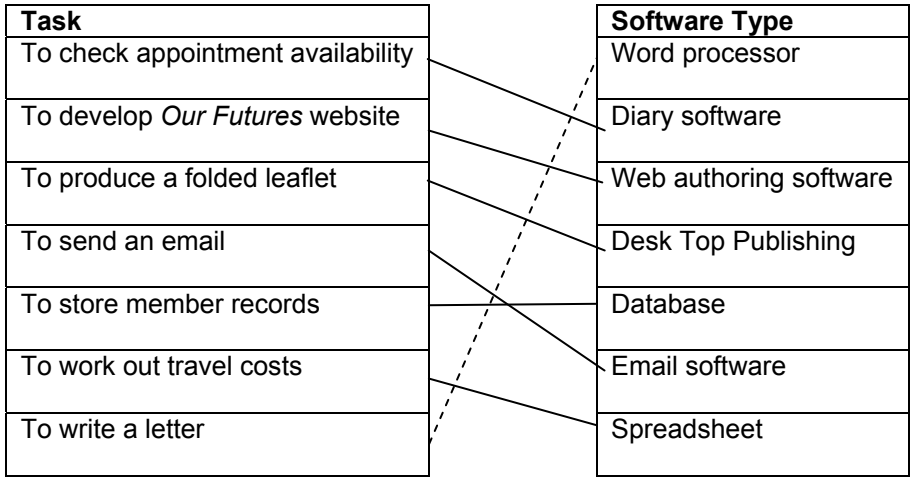
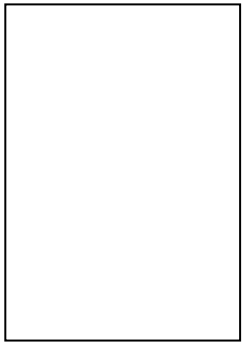
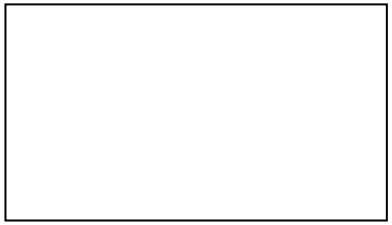
Question	Expected Answer	Mark	Rationale
1	One mark for each correct line (a line should start and end in the box containing the correct text)  	[6]	Deduct one mark for more that six drawn lines.
2 (a)	One mark for eg: • Some of the data will be confidential • Some of the data will be sensitive • Because of the Data Protection Act • Some people will not be allowed to print etc	[1]	One word answers will be accepted
(b)	One mark for each correctly stated point up to two marks eg: • By restricting access by a password • Use a fire wall to protect sensitive data • Use a dongle to restrict access for all but the owner of the dongle • Set file permissions • Set folder permissions	[2]	One word answers will be accepted

<table>
<tr><th>Question</th><th>Expected Answer</th><th>Mark</th><th>Rationale</th></tr>
<tr><td>3</td><td>Up to two marks one for each correct point:

Fax
Internet Telephone/Skype/VoIP/Landline
Chat line
Text to voice
Satellite phone
Social networking/Twitter/Face book/Blogs
Instant messaging
RSS newsfeed</td><td>[2]</td><td>Accept one word answers but MUST be electronic communication.</td></tr>
<tr><td>4</td><td><table>
<tr><th>Statement</th><th>True</th><th>False</th></tr>
<tr><td>A blog is a real time online conversation between many computer users</td><td></td><td>✓</td></tr>
<tr><td>Online discussion forums are designed to build online communities of people with similar interests</td><td>✓</td><td></td></tr>
<tr><td>When an email is sent via a browser both people have to be online at the same time</td><td></td><td>✓</td></tr>
<tr><td>When an email is sent via a browser it is saved on the sender’s system</td><td></td><td>✓</td></tr>
<tr><td>To send an SMS, the receiver has to have their phone switched on</td><td></td><td>✓</td></tr>
<tr><td>When you take part in a chat, a record is automatically saved on your system</td><td></td><td>✓</td></tr>
</table></td><td>[6]</td><td>Deduct one mark for each tick over 6.</td></tr>
</table>

Question	Expected Answer	Mark	Rationale
5	One mark for each correct simple sketch Portrait  Landscape 	**[2]**	
6 (a)	One mark for 8	**[1]**	
(b)	One mark for 6	**[1]**	
(c)	One mark for reference	**[1]**	
(d)	• One mark for unique • Second mark for people could have same name or similar comment referring to the need for something unique • Give mark for example of two Jack Wus	**[2]**	
(e)	Date of birth	**[1]**	

Question	Expected Answer	Mark	Rationale
(f)	One mark for any valid use: eg To check membership log in history To search for personal information on members To mail merge letters to members Check membership information To find members of a certain age To send flyers/letters To find members of a certain gender To email/telephone members	**[3]**	Must be a use by the organisation to gain the mark.
(g)	Up to 8 marks from: One mark for instructions for completion One mark for name of company/logo One mark for Name One mark for Address One mark for Telephone Number or Email One mark for Date of Birth or Postcode One mark for an entry space eg boxes, dotted lines etc for each field One mark for having a drop down or radio buttons eg title, DOB One mark for layout eg size of entry boxes etc.	**[8]**	The database entry form relates to the database they have just been commenting upon. They can gain the 8 marks for any of the points listed.

<table>
<tr><th>Question</th><th>Expected Answer</th><th>Mark</th><th>Rationale</th></tr>
<tr><td>7 (a)</td><td>One mark for each correct point up to four

• Computer program
• Damages files/Deletes files
• Replicates itself/Spreads itself
• From downloads
• From email attachments
• From removable media
• From blogs
• From opening infected files</td><td>[4]</td><td>Allow similar answers in the candidates own words.</td></tr>
<tr><td>(b)</td><td>One mark for each correct point up to two

• Use virus checking software/Firewall
• Don’t download files/check source
• Don’t open email attachments from unknown sources
• Check all disks and media etc
• Check files</td><td>[2]</td><td>Accept no names but actual antivirus software. Do not accept virus software - must be anti virus.</td></tr>
<tr><td>8</td><td>One mark for each correct tick

Deduct one mark for each additional tick if more than 6 ticks

<table>
<tr><th>Device</th><th>Input</th><th>Output</th><th>Storage</th></tr>
<tr><td>Mouse</td><td>x</td><td></td><td></td></tr>
<tr><td>Printer</td><td></td><td>x</td><td></td></tr>
<tr><td>Hard disk drive</td><td></td><td></td><td>x</td></tr>
<tr><td>Monitor</td><td></td><td>x</td><td></td></tr>
<tr><td>Digital camera</td><td>x</td><td></td><td></td></tr>
<tr><td>Keyboard</td><td>x</td><td></td><td></td></tr>
</table>
</td><td>[6]</td><td>Deduct one mark for each tick over 6</td></tr>
</table>

Question	Expected Answer	Mark	Rationale
9 (a)	One mark for each correct way: • Data entry error/entered wrongly/inaccurately/misspelled/mistyped • Out of date/not updated regularly • Person changes name « marriage or divorce » • Death • Person moves address • Data has been changed • Data corruption • Hackers changing data • Incorrect data given	[4]	Marking points shown are indicative of the types of points likely to be made. Do not reward repeat points.
(b)	One mark for any valid method: eg • Validation • Verification • Double check/Double entry • Input masks/Data range/Data type/Field length • Send out forms to members to update their data • Firewall	[3]	

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