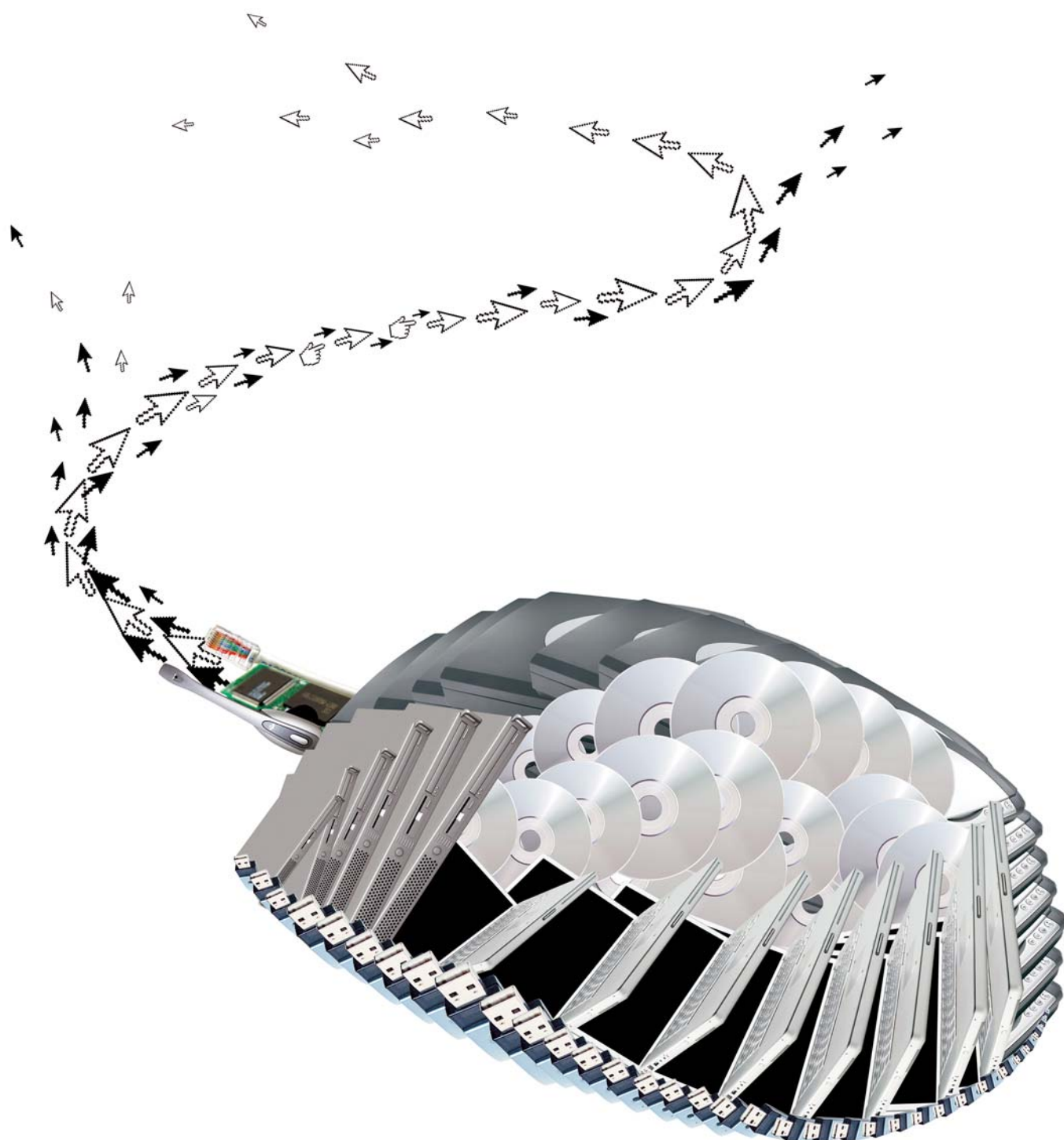


SPECIMEN MARK SCHEME

UNIT 3 - WORKING WITH TECHNOLOGY





Level 1 Diploma Principal Learning

Information Technology IN1U3W

Unit 3

Working with technology

Specimen 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.

Further copies of this Mark Scheme are available to download from www.diplomainfo.org.uk

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Examiners: the answers given in this mark scheme are exemplars. Credit must be given for other correct answers not given in the mark scheme. Please refer to Team Leaders where there is any doubt.

<p>1(a)</p>	<p>1 + 1 = 1 mark, no half marks to be awarded.</p> <table border="1" data-bbox="392 398 1251 757"> <tr><td>USB Pen</td><td></td></tr> <tr><td>Good quality sound card</td><td>✓</td></tr> <tr><td>Speakers</td><td>✓</td></tr> <tr><td>Scanner</td><td></td></tr> <tr><td>Microphone</td><td>✓</td></tr> <tr><td>Video camera</td><td>✓</td></tr> <tr><td>Printer</td><td>✓</td></tr> <tr><td>MP3 player</td><td></td></tr> <tr><td>DVD/CD writer</td><td>✓</td></tr> <tr><td>Good quality graphics card</td><td></td></tr> </table>	USB Pen		Good quality sound card	✓	Speakers	✓	Scanner		Microphone	✓	Video camera	✓	Printer	✓	MP3 player		DVD/CD writer	✓	Good quality graphics card		<p>(3)</p>
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<p>1(b)(i)</p>	<table border="1" data-bbox="392 898 1251 1115"> <tr><td></td><td>Tick 1</td></tr> <tr><td>Laser printer on to CD labels</td><td></td></tr> <tr><td>Manual inkjet CD/DVD printer</td><td>✓</td></tr> <tr><td>Inkjet printer on to CD labels</td><td></td></tr> <tr><td>Thermal inkjet CD/DVD printer</td><td></td></tr> <tr><td>Dot matrix printer</td><td></td></tr> </table>		Tick 1	Laser printer on to CD labels		Manual inkjet CD/DVD printer	✓	Inkjet printer on to CD labels		Thermal inkjet CD/DVD printer		Dot matrix printer		<p>(1)</p>								
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<p>1(b)(ii)</p>	<p>e.g. A manual inkjet CD/DVD printer is cheap to buy and can print one CD at a time.</p> <p>Any reasonable explanation in regards to managing a small number of CDs</p>	<p>(1)</p>																				
<p>1(c)(i)</p>	<table border="1" data-bbox="392 1420 1251 1637"> <tr><td></td><td>Tick 1</td></tr> <tr><td>Laser printer on to CD labels</td><td></td></tr> <tr><td>Manual inkjet CD/DVD printer</td><td></td></tr> <tr><td>Inkjet printer on to CD labels</td><td></td></tr> <tr><td>Thermal inkjet CD/DVD printer</td><td>✓</td></tr> <tr><td>Dot matrix printer</td><td></td></tr> </table>		Tick 1	Laser printer on to CD labels		Manual inkjet CD/DVD printer		Inkjet printer on to CD labels		Thermal inkjet CD/DVD printer	✓	Dot matrix printer		<p>(1)</p>								
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<p>1(c)(ii)</p>	<p>e.g. Thermal CD/DVD Printer is faster than an inkjet CD/DVD printer as there is no drying time / ...it can hold a large number of CDs/DVDs so you don't have to put them in one at a time.</p> <p>Any reasonable explanation in regards to managing a greater number of CDs.</p>	<p>(1)</p>																				

Examiners: the answers given in this mark scheme are exemplars. Credit must be given for other correct answers not given in the mark scheme. Please refer to Team Leaders where there is any doubt.

1(d)	All four to get 2 marks Less than 4 = 1 mark 0 = 0 marks (i) DVD/CD burning software (ii) Image editing software (iii) Desktop publishing software (iv) Spreadsheet software	(2)												
1(e)(i)	Either: a database, a spreadsheet or calendar software. Branded software should not be accepted. For example, Access or Outlook.	(1)												
1(e)(ii)	1 x 2 for any valid reason, eg, able to search quickly for dates, able to view day, week, month so they can see what is coming up. Any valid reason for the recommended software. Do not accept 'Its quicker' or 'faster than a paper system', or 'you don't need as much paper.'	(2)												
2(a)	<table border="1" style="margin-left: 40px;"> <thead> <tr> <th></th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Provide a username</td> <td>3</td> </tr> <tr> <td>Go to User Accounts in Control Panel</td> <td>1</td> </tr> <tr> <td>Create a new user</td> <td>2</td> </tr> <tr> <td>Provide a password</td> <td>5</td> </tr> <tr> <td>Set the type of account</td> <td>4</td> </tr> </tbody> </table> <p>1 mark for each correct number.</p>		Number	Provide a username	3	Go to User Accounts in Control Panel	1	Create a new user	2	Provide a password	5	Set the type of account	4	(5)
	Number													
Provide a username	3													
Go to User Accounts in Control Panel	1													
Create a new user	2													
Provide a password	5													
Set the type of account	4													
2(b)	Any sensible reason, eg, allows band members to keep their own files separate, limits access to files, increases security.	(1)												
2(c)	Defrag. or Defragmentation. Do not accept delete temp files.	(1)												
2(d)	Open a schedule utility (1 mark), add defrag to the schedule to run once a week (1 mark).	(2)												
2(e)(i)	Any suitable media, eg CD-R/RW, external hard disk, Zip Disk, DVD-R/RW, Online back up facility. Only accept memory stick, pen drive, USB pen/key, flash drive/pen/key if the memory size is stated and it is substantial enough to store music files. Do not accept floppy disk.	(1)												
2(e)(ii)	Any reasonable suggestion in relation to reliability, memory size, speed and security of back up. There must be explanation. Simply, 'it's fast and reliable', is not sufficient.	(2)												
3(a)(i)	Broadband	(1)												

Examiners: the answers given in this mark scheme are exemplars. Credit must be given for other correct answers not given in the mark scheme. Please refer to Team Leaders where there is any doubt.

3(a)(ii)	Any reasonable suggestion in relation to reliability, always on and speed. There must be an explanation. Simply saying it's fast and reliable is not sufficient.	(2)												
3(b)	i.e. ADSL Router, ADSL Wireless Router, Cable Router, Cable Wireless Router, or any other term that means this (do not accept ADSL Modem)	(1)												
3(c)	<table border="1" style="margin-left: 40px;"> <tr> <td>Internet</td> <td>1</td> </tr> <tr> <td>Printer</td> <td>4</td> </tr> <tr> <td>Ethernet cable</td> <td>6</td> </tr> <tr> <td>Computer one</td> <td>2 or 3</td> </tr> <tr> <td>Telephone cable</td> <td>5</td> </tr> <tr> <td>Computer two</td> <td>3 or 2</td> </tr> </table> <p>1 mark for every 2 correct numbers. Half marks not allowed.</p>	Internet	1	Printer	4	Ethernet cable	6	Computer one	2 or 3	Telephone cable	5	Computer two	3 or 2	(3)
Internet	1													
Printer	4													
Ethernet cable	6													
Computer one	2 or 3													
Telephone cable	5													
Computer two	3 or 2													
3(d)	ISP username and password.	(1)												
3(e)(i)	Wireless networking	(1)												
3(e)(ii)	Any sensible answer in regards to the security, reliability or speed of the network.	(1)												
3(f)	Printed manual or product literature or technical specification document or manufacturer's website or contact the ISP directly or any other sensible answer.	(1)												
3(g)	Wireless networking card.	(1)												
4(a)	Any reasonable answer, eg, password protect the operating system, restrict different users access through the network, password protect the folder, encrypt the files, use a Firewall.	(2)												
4(b)	<p>(1 + 1) x 2 for result of protection, plus explanation or example of this, eg</p> <p>By adding a password to the operating system only those who are given the password can access the computer. This means that no one else will be able to get onto the computer and access the music files.</p> <p>By installing anti virus software it will warn you if any suspicious activity is going on and Purple Spiders will be able to delete any of these files.</p>	(4)												
4(c)	Words to the effect of "A program that appears legitimate, but performs some illicit activity when it is run" - accept virus.	(1)												

Examiners: the answers given in this mark scheme are exemplars. Credit must be given for other correct answers not given in the mark scheme. Please refer to Team Leaders where there is any doubt.

4(d)	<p>Any reasonable explanation (1 + 1) x 2 for identifying a way, plus explanation, eg</p> <p>It could have been sent in an email (1), which had an attachment which was opened by someone using the computer (1)</p> <p>It could have been downloaded from the internet (1) and was embedded in a file that was opened. (1)</p>	(4)
4(e)	Run the software regularly with new updates.	(1)