A PEARSON COMPANY

General Marking Guidance

- All candidates must receive the same treatment. Examiners must mark the first candidate in exactly the same way as they mark the last.

- Mark schemes should be applied positively. Candidates must be rewarded for what they have shown they can do rather than penalised for omissions.

- Examiners should mark according to the mark scheme not according to their perception of where the grade boundaries may lie.

- There is no ceiling on achievement. All marks on the mark scheme should be used appropriately.

- All the marks on the mark scheme are designed to be awarded. Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme. Examiners should also be prepared to award zero marks if the candidate's response is not worthy of credit according to the mark scheme.

- Where some judgement is required, mark schemes will provide the principles by which marks will be awarded and exemplification may be limited.

- When examiners are in doubt regarding the application of the mark scheme to a candidate's response, the team leader must be consulted.

- Crossed out work should be marked UNLESS the candidate has replaced it with an alternative response.

Question Number	Answer	Mark
1(a)		(4)

Question Number	Answer	Mark
1(b)	Debit card	(1)

Question Number	Answer	Mark
1(c)	To save costs by reducing the number of staff	(1)

Question Number	Answer	Mark
1(d)	Withdraw money	(1)

Question Number	Answer	Mark
1(e)	Change your password regularly	(1)

Question Number	Answer	Mark
2(a)	(see table below)	(4)

Components	Input	Output	Storage
Printer		X	
Keyboard	X		
Monitor		X	
CD			X

Question Number	Answer	Mark
2(b)	Application software	(1)

Question Number	Answer	Mark
2(c)	letter	(1)

Question Number	Answer	Mark
2(d)	Communication software	(1)

Question Number	Answer	Mark
3(a)		(4)

Question Number	Answer	Mark
3(b)	Item code	(1)

Question Number	Answer	Mark
3(c)	Barcodes reduce theft from supermarkets	(1)

Question Number	Answer	Mark
3(d)	Increase sales	(1)

Question Number	Answer	Mark
3(e)	Less staff are needed	(1)

Question Number	Answer	Mark
3(f)	Touch screen	(1)

Question Number	Answer	Mark
4(a)	Spam — email filter Hacking attempts — firewall Viruses — Anti virus software Anti social material — filter software	(4)

Question Number	Answer	Mark
4(b)	▪ on the internet ▪ email address ▪ upload ▪ debit card	(4)

Question Number	Answer	Mark
4(c)	It is illegal to download music without the owner's permission	(1)

Question Number	Answer	Mark
4(d)	Access new markets.	(1)

Question Number	Answer	Mark
4(e)	▪ wider ▪ revenue ▪ reduce ▪ sales	(4)

Question Number	Answer	Mark
5(a)	Can work more accurately than a human	(1)

Question Number	Answer	Mark
5(b)	Sensor	(1)

Question Number	Answer	Mark
5(c)	Plotter	(1)

Question Number	Answer	Mark
5(d)	▪ The equipment can work in dangerous conditions. ▪ The quality of output is more consistent. ▪ The equipment can be reprogrammed to handle a new production run. ▪ Fewer staff are needed.	(4)