Mark Scheme (Results)

June 2008

GCSE ICT (1185.2F)

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.

	Section A 1185.2F/3185.2F	
Question Number	Answer	Mark
1	D	1

Question Number	Answer	Mark
2	C	1

Question Number	Answer	Mark
3	A	1

Question Number	Answer	Mark
4	B	1

Question Number	Answer	Mark
5	A	1

Question Number	Answer	Mark
6	A	1

Question Number	Answer	Mark
7	D	1

Question Number	Answer	Mark
8	C	1

Question Number	Answer	Mark
9	A	1

Question Number	Answer	Mark
10	D	1

Question Number	Answer	Mark
11	B	1

Question Number	Answer	Mark
12	C	1

Question Number	Answer	Mark
13	B	1

Question Number	Answer	Mark
14	A	1

Question Number	Answer	Mark
15	D	1

Question Number	Answer	Mark
16	A	1

Question Number	Answer	Mark
17	C	1

Question Number	Answer	Mark
18	B	1

Question Number	Answer	Mark
19	C	1

Question Number	Answer	Mark
20	C	1

Section B		
	1185.2F/3185.2F	
Question Number	Answer	Mark
1 (a)(i)	8 / eight	1

Question Number	Answer	Mark
1 (a) (ii)	Jones **Allow** Carl Jones	1

Question Number	Answer	Mark
1 (a) (iii)	0046, 0076	1

Question Number	Answer	Mark
1 (b)	12/11/78 **Allow** 12 /11/1978, 12th November 1978	1

Question Number	Answer	Mark
1 (c)	Search / query / filter (1) **Do not accept** find Easy to amend / edit / update / insert / add / delete (1) Create reports (1) Can set validation rules (1) Mail merge (1) Management Information (1)	2

Question Number	Answer	Mark
1 (d)(i)	Member ID / Member number / ID / ID number / unique number **Do not accept** if other field names are included in response	1

Question Number	Answer	Mark
1 (d)(ii)	Magnetic stripe / magnetic strip / microchip / chip **Do not accept** magnetic stripe reader /magnetic bit / magnetic tape / black strip	1

Question Number	Answer	Mark
1 (d)(iii)	Date of visit / Last Visit / date (day) and time **Accept** if also give class attending **Do not accept** if other field headings from the database shown are also given **Do not accept** date **unless** last visit is also given	1

Question Number	Answer	Mark
1 (e)	OR replace with AND (1) All of remaining text copied correctly (1) **Accept** the equal sign =	2

Question Number	Answer	Mark
2 (a)	Local Area Network	1

Question Number	Answer	Mark
2 (b)	For identifying the need to search for members who have not attended a studio for more than one month (1) Use word processor / dtp / database report to produce a letter (1) Standard / template letter (1) Insert / select – fields / tags / pointers / markers **NOT** gaps (1) For variable / personal data (accept examples)(1) Data source DB / SS (1) MEMBERS file (1) Merge data source and word processor / merge fields (1) Mail merge (1) **QWC** Reasonable English (1) / Good English (2) **1 mark** for 2 technical terms, spelt correctly, from: mail merge /merging Spreadsheet / database Word Processing / dtp / desk top publishing Standard letter / template	6 QWC 3

Question Number	Answer	Mark

2 (c)	Email
	Advantage: Almost instant (1)
	        Send to multi addresses (1)
	        Send at any time (1)
	        Recipient doesn't need to be available (1)
	        Multi send (1)
	        Can save /edit / forward messages (1)
	Do not accept attachments / hardcopies - is comparison with letter
	
	Disadvantage: Not everyone has email/ computer/ internet (1)
	        Reliant on technology working (1)
	        Can lead to increased junk mail (1)
	
	Telephone
	Advantage: Instant response (1)
	        Leave messages (1)
	        Personal contact (1)
	
	Disadvantage: No hard copy / record (1)
	        Person not available / phone engaged (1)
		4

Question Number	Answer	Mark
3 (a)	Less errors (1) Consistency (1) Everything included (1) Layout already created / saves time creating layout / saves time setting up the document (1) Easy to use without training / novice users (1) **Do not accept** 'Saves time re-entering data ' this is given in question	2

Question Number	Answer	Mark
3 (b)	Import / Insert - Clip art / graphics / images / photos /files (1) Manipulate text and graphics (1) Columns (1) Frames / text boxes (1) Text wrap (1) Text flow (1) Edit graphics (1) Backgrounds (1) Borders (1) Printer friendly view (by default) (1) Colour separated print files (1)	3

Question Number	Answer	Mark
3 (c)	Don't have to print multiple copies / saves paper (1) Reduce number of queries (1) Saves time in distribution (1) Don't have to pay postage (1) May attract non members (1) Easy to update / edit (1) Reduces company's carbon foot print (1)	2

Question Number	Answer	Mark
3 (d)(i)	Scanner	1

Question Number	Answer	Mark
3 (d) (ii)	Printer	1

Question Number	Answer	Mark
3 (d) (iii)	CD R / CD RW (1) USB pen / USB drive (1) Flash drive (1) Pen drive (1) Memory stick / Memory pen / Memory Card (1) SD Card (1) DVD (R) DVD (RW) (1) **Allow** floppy disc **only if** compressed / zipped files given (1) **Do not accept** CD ROM / USB	1

Question Number	Answer	Mark
3 (e)	Two boxes with logically correct arrow(s) (1) If logically correct, using different boxes (3,0) **Allow** 'storage'	3

Question Number	Answer	Mark
4(a)(i)	D6, 6D	1

Question Number	Answer	Mark
4(a)(ii)	1.56	1

Question Number	Answer	Mark
4(b)	Formulae (1) Calculations (1) Re-calculations / Auto calculate (1) Replication (1) Charts and graphs (1) What if ......(1)	2

Question Number	Answer	Mark
4 (c)	D2, 2D (1) E2, 2E (1)	1

<table>
<tr><td colspan="3" align="center">Section C
1185.2F</td></tr>
<tr><td>Question Number</td><td>Answer</td><td>Mark</td></tr>
<tr><td>1 (a)(i)</td><td>Database (1)
Word processor / Text editor (1)
Spreadsheet (1)
CAD (1)
DTP / Desktop Publisher / Desktop Publishing (1)

Do not accept Publisher</td><td>5</td></tr>
</table>

<table>
<tr><td>Question Number</td><td>Answer</td><td>Mark</td></tr>
<tr><td>1 (a)(ii)</td><td>Keyboard (1)
Mouse / tracker ball (1)
Graphics tablet (1)
Digital Camera (1)
Scanner (1)</td><td>2</td></tr>
</table>

<table>
<tr><td>Question Number</td><td>Answer</td><td>Mark</td></tr>
<tr><td>1 (b)</td><td>Program /programme / computer program</td><td>1</td></tr>
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<table>
<tr><td>Question Number</td><td>Answer</td><td>Mark</td></tr>
<tr><td>1 (c)</td><td>Plotter</td><td>1</td></tr>
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<table>
<tr><td>Question Number</td><td>Answer</td><td>Mark</td></tr>
<tr><td>1 (d)(i)</td><td>Round flat in plastic case (1)
Portable (1)
Magnetic storage (1)
Spins only when loading / saving data (1)
Need formatting (1)
Can write protect (1)
Small amount of storage / 1.44 mb (1)
Re-writable (1)
Metal shutter to protect disc (1)
Inappropriate for sound, graphics and video (1)
Do not accept – store data</td><td>2</td></tr>
</table>

Question Number	Answer	Mark
1 (d)(ii)	Read only memory (1) Used for software (1) Optical storage (1) Laser (1) Large amount of storage / approximately 700 mb (1) Stores text, sound, graphics and video (1) **Allow** 'save' at foundation level WORM (1) More robust than floppy (1) Portable (1)	2

Question Number	Answer	Mark
1 (e)	Window (1) Icon (1) Menu (1) Pointer (1) **Allow** clear descriptions without correct terminology	4

Question Number	Answer	Mark
2 (a)	Different sites / wide geographical area – **Allow** - long distances / global / internationally / international or equivalent term (1) **Do not accept** wide area / large area Telephone /modem / satellite / microwaves / dedicated lines (1)	2

Question Number	Answer	Mark
2 (b)(i)	Web cam (1) Microphone (1) Speakers / headphones (1) Digital video recorder (1) Digital camera (1) **Do not accept** camera /video recorder	1

Question Number	Answer	Mark
2 (b)(ii)	Saves travelling time (1) Minimise time out of the office (1) Saves costs of travel (1) No problems if bad weather / other restrictions on travelling (1) Meetings can be arranged at short notice (1) Ability to record and review meeting (1)	3

Question Number	Answer	Mark
2 (c)	E-mail (1) News groups / internet forums / discussion groups(1) Intranet /Internal messaging system (1) INTERNET telephone / (accept computer telephone) (1) **Do not accept** chat rooms / telephone / instant messenger	2

Question Number	Answer	Mark
2 (d)(i)	Can do most banking from home / Don't have to travel to bank (1) Can bank 24 hours a day / at anytime / instant transfer of funds(1) Don't have to wait in queues (1) Can access account from anywhere (1)	2

Question Number	Answer		Mark
2 (d)(ii)	Staff	May lose jobs / redundancy (1) May have to move to Head Office / call centre (1) May need retraining (1) Loss of status / job satisfaction (1)	
	Customers	May not be able to use a computer/ internet (1) May not have access to a computer (1) May not have access to the Internet (1) Would have to move banks if don't have facilities above (1) May be concerned about data security (1) Loss of personal contact (1)	4
	Do not accept 'will have to move banks' without valid reason		

Question Number	Answer	Mark
3 (a)	Can monitor over very long periods (1) Monitor 24 hours a day (1) Set up in remote / unpleasant /dangerous / inclement situations (1) Readings very accurate /no human errors /more reliable (1) No requirement for human to be there (1)	3

Question Number	Answer	Mark
3 (b)	If equipment failure, data can be lost / not collected(1) If equipment failure, can take a long time to fix (1) Equipment can be expensive (1) Errors only picked up when data is examined (1)	1

Question Number	Answer	Mark
3 (c)	**Only acceptable** answer: Sensor	1

Question Number	Answer	Mark
3 (d)	database / spreadsheet	1

Question Number	Answer	Mark
3 (e)(i)	Bar chart / bar graph(1) Histogram (1) Column Chart (1) **Do not accept** chart (pie chart would be inappropriate) **Do not accept** graph	1

Question Number	Answer	Mark
3 (e)(ii)	Table (1) Pie Chart (1) Frequency diagram (1) Written report (1) Other sensible charts / graph – **not** other bar charts (1) **Allow** chart / graph if no other chart or graph given (1) *Follow through from (i)*	2

Question Number	Answer	Mark
4 (a)(i)	Change regularly (1) Keep it secret (1) Mix letters & numbers (1) Mix up and lower case (1) Don't choose anything obvious (1) Don't write down (1) Minimum 6 characters (1) Don't let people see you entering it (1) Make it something you will remember / remember it (1)	4

Question Number	Answer	Mark
4 (a)(ii)	Compare 1st & 2nd (1) to make sure they match t (1) confirms are correct (1)	2

Question Number	Answer	Mark

4 (b)	Viruses Anti virus software (1)
	               Don't open unknown email Attachments (1)
	               Only download from sites know are safe (1)
	
	Hackers Firewall (1)
	               Encryption (1)
	               Passwords (1)
	
	Spy ware Install anti spy ware program (1)
	               Install anti key logging program (1)
		4

Question Number	Answer	Mark
4 (c)(i)	scanner	1

Question Number	Answer	Mark
4 (c)(ii)	Open email software / create new email (1) Recipient name / email address (1) Subject (1) Write message (1) Select attachment tool **not** paperclip (1) Browse / search for photo file **not** find unless give 'in my documents' or similar (1) Select photo /file (1) Attach **or** copy / paste file (not photo) (1) Send (1) QWC Reasonable English (1) / Good English (2) **1 mark** for 2 technical terms, spelt correctly, from: Browse Attach / attachment Recipient / email address	6 QWC 3

Question Number	Answer	Mark
4 (c)(iii)	Data can be overwritten (1) Someone may accidentally erase data (1) System / hardware failure / natural disaster (1) Someone may access and alter data (1) Virus - if explanation given (1)	2

Question Number	Answer	Mark
4 (c)(iv)	CD R / CD RW (1) USB pen / USB drive (1) Flash drive (1) Pen drive (1) Memory stick / Memory pen / Memory Card (1) SD Card (1) External hard drive (1) **Do not accept** CD ROM / USB / floppy disk	1