

Mark Scheme (Results)

June 2011

GCSE ICT 1185 Paper 2F
Written Paper

Edexcel is one of the leading examining and awarding bodies in the UK and throughout the world. We provide a wide range of qualifications including academic, vocational, occupational and specific programmes for employers.

Through a network of UK and overseas offices, Edexcel's centres receive the support they need to help them deliver their education and training programmes to learners.

For further information, please call our GCE line on 0844 576 0025, our GCSE team on 0844 576 0027, or visit our website at www.edexcel.com.

If you have any subject specific questions about the content of this Mark Scheme that require the help of a subject specialist, you may find our **Ask The Expert** email service helpful.

Ask The Expert can be accessed online at the following link:
<http://www.edexcel.com/Aboutus/contact-us/>

Alternatively, you can contact our ICT Subject Advisor directly by sending an email to Gareth on ICTSubjectAdvisor@EdexcelExperts.co.uk.
You can also telephone 0844 372 2186 to speak to a member of our subject advisor team.

June 2011

Publications Code UG028244

All the material in this publication is copyright

© Edexcel Ltd 2011

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

Question Number	Answer	Mark
Q01	B	1

Question Number	Answer	Mark
Q02	D	1

Question Number	Answer	Mark
Q03	D	1

Question Number	Answer	Mark
Q04	C	1

Question Number	Answer	Mark
Q05	B	1

Question Number	Answer	Mark
Q06	D	1

Question Number	Answer	Mark
Q07	A	1

Question Number	Answer	Mark
Q08	C	1

Question Number	Answer	Mark
Q09	D	1

Question Number	Answer	Mark
Q10	A	1

Question Number	Answer	Mark
Q11	C	1

Question Number	Answer	Mark
Q12	A	1

Question Number	Answer	Mark
Q13	D	1

Question Number	Answer	Mark
Q14	C	1

Question Number	Answer	Mark
Q15	C	1

Question Number	Answer	Mark
Q16	D	1

Question Number	Answer	Mark
Q17	C	1

Question Number	Answer	Mark
Q18	B	1

Question Number	Answer	Mark
Q19	D	1

Question Number	Answer	Mark
Q20	B	1

SECTION B

Question Number	Answer	Do not accept	Additional Guidance	Mark
QB1 (a)	8 / eight (1)			1

Question Number	Answer	Do not accept	Additional Guidance	Mark
QB1 (b) (i)	Sort (1)			1

Question Number	Answer	Do not accept	Additional Guidance	Mark
QB1 (b) (ii)	10204 (1)			1

Question Number	Answer	Do not accept	Additional Guidance	Mark
QB1 (c)	Search / query / filter (1)			1

Question Number	Answer	Do not accept	Additional Guidance	Mark
QB1 (d)	Keyboard (1)			1

Question Number	Answer	Do not accept	Additional Guidance	Mark
QB1 (e)	Printer (1)			1

Question Number	Answer	Do not accept	Additional Guidance	Mark										
QB1 (f)	<table border="1"> <thead> <tr> <th>Field</th> <th>Data Type</th> </tr> </thead> <tbody> <tr> <td>Membership Number</td> <td>Text</td> </tr> <tr> <td>Forename</td> <td>Logical</td> </tr> <tr> <td>Post Code</td> <td>Alphanumeric</td> </tr> <tr> <td>Gender</td> <td>Numeric</td> </tr> </tbody> </table>	Field	Data Type	Membership Number	Text	Forename	Logical	Post Code	Alphanumeric	Gender	Numeric	If more than one line drawn from each field		4
Field	Data Type													
Membership Number	Text													
Forename	Logical													
Post Code	Alphanumeric													
Gender	Numeric													

Question Number	Answer	Do not accept	Additional Guidance	Mark
QB1 (g) (i)	Proof read (1) Compare data with hand written forms (1) Check data with members(1) Double entry (1)		Award mark for comparison only if comparison is with the original.	2

Question Number	Answer	Do not accept	Additional Guidance	Mark
QB1 (g) (ii)	Check by software / computer (1) On data entry (1) Follows a set of rules (1) To make sure data is acceptable / sensible / reasonable / of the right type (1)	valid / correct	Allow data entered	2

Question Number	Answer	Do not accept	Additional Guidance	Mark
QB2 (a)	Word processing / DTP (1)			1

Question Number	Answer		Do not accept	Additional Guidance	Mark
QB2 (b)	Improvement	How this would be done	Anything to do with colour / pictures / borders / background / additional text	Award 1 mark for a sensible improvement and a 2 nd mark for a linked method	
	Make heading clear (1)	Bold / Underline centre / change font size (1)			
	All information in same order (1)	Cut & paste (1)			
	Align similar information (1)	Table / tabs (1)			
	Consistency (1)	Use superscript on all dates for 'th' or 'nd' / Change font on Birmingham and London/Use the same font throughout(1)			

6

Question Number	Answer	Do not accept	Additional Guidance	Mark
QB2 (c)	<p>Type in email address / select from contact list or address book/ select <u>recipient</u> (1)</p> <p>Enter <u>subject</u> (1)</p> <p><u>Compose</u> / <u>create</u> message (1)</p> <p>Select attachments / click attach file / click paper clip / insert attachment (1)</p> <p><u>Browse</u> / <u>locate</u> / <u>find</u> / <u>search</u> for file (1)</p> <p><u>Select</u> / <u>Attach</u> file (1)</p> <p>Send (1)</p>		<p>Order must be sensible for highlighted items</p> <p>Send must be at the end</p>	4
QWC	<p>Reasonable English (1) / Good English (2)</p> <p>1 mark for 2 technical terms, spelt correctly, from: Technical terms underlined</p> <p>Good English for prose: Consistency – capitals and full stops <3 spelling errors</p> <p>Good English for bullet points: Consistency - lower / upper case at start and with / without full stops <3 spelling errors. One mark for a coherent answer that does not meet the above criteria</p>			3

Question Number	Answer	Do not accept	Additional Guidance	Mark
QB2 (d)(i)	Any 2 of: People do not have to be in to receive the message (1) Hard copy / permanent record of the message. (1) Multi send / Don't have to spend time phoning individuals (1)	Doesn't cost anything		2

Question Number	Answer	Do not accept	Additional Guidance	Mark
QB2 (d)(ii)	Not everyone has email / can't always access internet (1) People don't check emails regularly (1) Not always sure that the message has arrived (1) Not always sure that the message is understood (1)	viruses / junk mail		1

Question Number	Answer	Do not accept	Additional Guidance	Mark
QB3 (a)	Cell B2 – currency (1) Cell D3 – number (1)			2

Question Number	Answer	Do not accept	Additional Guidance	Mark
QB3 (b)(i)	=D2 – E2 (1)		Allow without = =SUM(D2–E2)	1

Question Number	Answer	Do not accept	Additional Guidance	Mark
QB3 (b) (ii)	Replication (1)	Copy		1

Question Number	Answer	Do not accept	Additional Guidance	Mark
QB3 (c)	=SUM(G2:G8) (1)	G2+G3+G4+G5+G6+G7 +G8	Allow without =	1

Question Number	Answer	Do not accept	Additional Guidance	Mark
QB4 (a)(i)	LAN (1) / Local Area Network (1)			1

Question Number	Answer	Do not accept	Additional Guidance	Mark
QB4 (a)(ii)	Share documents / files / folders / data (1) Security can be centrally managed (1) Files (to share) can be uploaded centrally (1) Backup can be centrally managed (1) Software can be installed easily / faster / centrally (1) Can use any workstation / hot-desking (1) Communicate with other workstations without using the internet / internal email (1) Monitor / control users or workstations (1) Intranet (1) Only 1 internet connection needed (1)	Share software email	No marks for "access rights"	2

Question Number	Answer	Do not accept	Additional Guidance	Mark											
QB4 (b)	<table border="1"> <tr> <td data-bbox="250 231 504 539" rowspan="6">Eye Strain (problems) or headaches (1)</td> <td data-bbox="504 231 1003 300">Anti-glare screens / screen filter (1)</td> </tr> <tr> <td data-bbox="504 300 1003 339">Suitable lighting (1)</td> </tr> <tr> <td data-bbox="504 339 1003 411">Avoid sunlight reflecting on screen/ blinds at windows (1)</td> </tr> <tr> <td data-bbox="504 411 1003 451">Swivelling screens (1)</td> </tr> <tr> <td data-bbox="504 451 1003 491">Focus on distant objects (1)</td> </tr> <tr> <td data-bbox="504 491 1003 539">Adjust brightness (1)</td> </tr> <tr> <td data-bbox="250 539 504 689" rowspan="3">RSI (1)</td> <td data-bbox="504 539 1003 579">Wrist rests (1)</td> </tr> <tr> <td data-bbox="504 579 1003 651">Appropriate Ergonomic furniture (1)</td> </tr> <tr> <td data-bbox="504 651 1003 689">Hand/Wrist exercises (1)</td> </tr> </table>	Eye Strain (problems) or headaches (1)	Anti-glare screens / screen filter (1)	Suitable lighting (1)	Avoid sunlight reflecting on screen/ blinds at windows (1)	Swivelling screens (1)	Focus on distant objects (1)	Adjust brightness (1)	RSI (1)	Wrist rests (1)	Appropriate Ergonomic furniture (1)	Hand/Wrist exercises (1)	Comfortable chairs		4
Eye Strain (problems) or headaches (1)	Anti-glare screens / screen filter (1)														
	Suitable lighting (1)														
	Avoid sunlight reflecting on screen/ blinds at windows (1)														
	Swivelling screens (1)														
	Focus on distant objects (1)														
	Adjust brightness (1)														
RSI (1)	Wrist rests (1)														
	Appropriate Ergonomic furniture (1)														
	Hand/Wrist exercises (1)														

SECTION C

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC1 (a) (i)	Desk Top Publishing / DTP (1)	Publisher or other named product	Allow word processing	1

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC1 (a) (ii)	Graphics package (1)	Paint or other named product		1

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC1 (a) (iii)	Scanner (1) Digital camera (1) Memory card reader (1)	Storage devices such as USB pens		2

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC1 (b)	Print preview			1

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC1 (c) (i)	A small picture / graphic / symbol / image (1) Used to represent a task / function / command / program (1)	Something you can click on as this is in the question. Do not accept a link		2

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC1 (c) (ii)	Windows (1) Menus (1) Pointers (1)			3

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC1 (d) (i)	Operating system / system software (1)			1

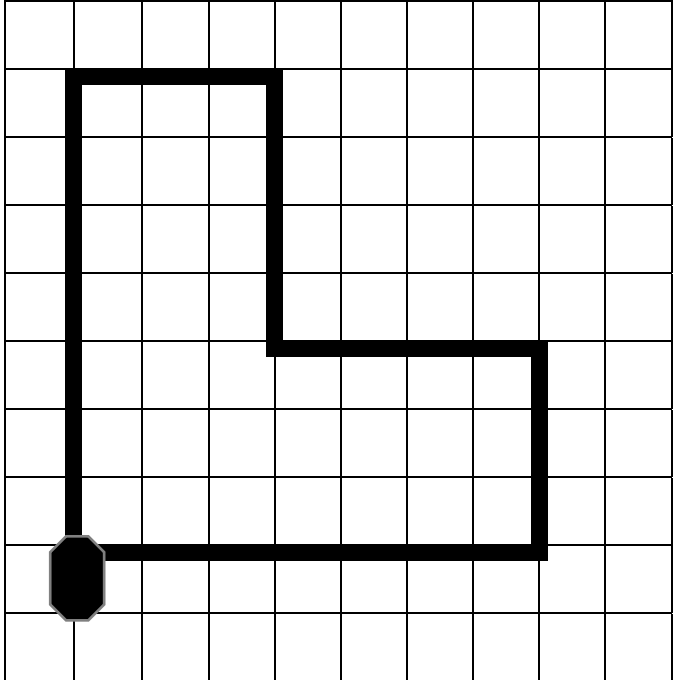
Question Number	Answer	Do not accept	Additional Guidance	Mark
QC1 (d) (ii)	Sensor (1)			1

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC1 (e) (i)	Modem / router / mobile broadband device (1)			1

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC1 (e) (ii)	Browser (1)			1

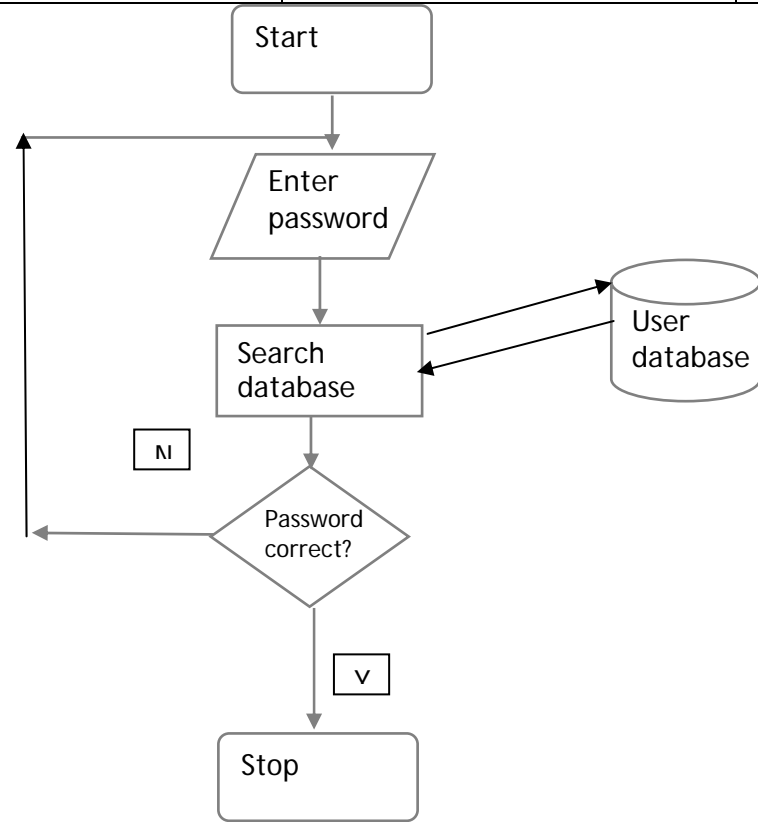
Question Number	Answer	Do not accept	Additional Guidance	Mark
QC1 (e) (iii)	ISP / internet Service Provider (1)			1

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC1 (f)	Any two of Viruses / Worms / Trojans (1) Hackers (1)			2

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC2 (a)	1 mark for each 2 correct. 		1 mark for each 2 correct reward correct instructions following an error	3

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC2 (b)	U3, R2, U2, R3, D4, R3, D1, L8 / R8, U1, L3, U4, L3, D2, L2, D3 1 mark for each 2 correct		Order must be correct / logical. reward correct instructions following an error	4

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC3 (a)	1 mark for each correct entry			5



Question Number	Answer	Do not accept	Additional Guidance	Mark
QC3 (b)	1 mark for each correct arrow			3

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC3 (c)	Change regularly (1) Keep it secret (1) Mix letters & numbers (1) Mix up and lower case (1) Use symbols/punctuation 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 (1)			4

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC4 (a)	24 / 7 (1) ALLOW ONE OF: Can do most banking from home / Don't have to travel to bank (1) May get better rates online (1) Instant transfer of funds/pay bills(1) Check account balance/print statement (1) Don't have to wait in queues (1) Can access account from anywhere (1)			3

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC4 (b)	May not have internet access / Do not know how to use internet (1) May not have computer / can't use a computer (1) Prefer face to face (1) Fear of Identity Theft/Fraud (1)	Reasons such as pay in cash that would apply to all customers Do not know how to use online banking Anything to do with viruses	Hacking must be qualified	2

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC4 (c) (i)	Saving in costs of branches / premises (1) Fewer staff(1) Concentrate advertising or promotion on online banking (1) May attract a different type of customer/wider customer base (1)			2

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC4 (c) (ii)	Branch staff may lose their jobs (1) May need retraining (1) May have to relocate (1)			2

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC4 (d)	Processed fairly and lawfully (1) Obtained fairly and lawfully (1) Processed in accordance with rights of data subject (1) Data must be accurate (1) Data must be kept up to date (1) Data must be kept only as long as necessary (1) Must be kept secure (1) Cannot be sent outside of the European Union (unless has same level of protection) (1) Data must be shown to subjects on request (1) Must specify the purpose for holding the data (1)	Data may not be passed to others. Should be adequate and relevant (in question)	Allow: must be kept safe	2

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC5 (a) (i)	Information is displayed.	5		4
	Data is analysed.	4		
	Data is stored.	3		
	A sensor measures the temperature.	1		
	Data is sent to the computer.	2		

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC5 (a) (ii)	Thermistor (1)	Thermometer		1

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC5 (a) (iii)	Spreadsheet (1)	Any trade names		1

Question Number	Answer	Do not accept	Additional Guidance	Mark
QC5 (b) (i)	=AVG(B2:H2) (1) =I2/7 (1) =Sum(B2:H2)/7 (1) =(B2+C2+D2+E2+F2+G2+H2)/7 (1)	=B2+C2+D2+E2+F2+G2+H2/7 mathematical symbols	Allow without =	1

Question Number	Answer	Do not accept	Additional Guidance	Mark
<p>QC5 (b) (ii)</p>	<p><u>Highlight cells</u> (1) Correct cells identified - A1:A5 and I1: I5 or A2:A5 and I2: I5 (1) <u>Insert</u> Chart / <u>Select</u> Chart <u>Icon</u> / Chart <u>menu</u> / Chart <u>wizard</u> (1) Select bar chart (1) Add / edit title (1) Add / edit axis (1) Any other sensible editing eg add/delete legend (1)</p>	<p>Highlight information/data needed Change colours unless qualified Resize or move</p>	<p>Order must be correct / logical.</p>	<p>6</p>
<p>QWC</p>	<p>Reasonable English (1) / Good English (2) 1 mark for 2 technical terms, spelt correctly, from: Technical terms underlined Good English for prose: Consistency – capitals and full stops <3 spelling errors Good English for bullet points: Consistency - lower / upper case at start and with / without full stops. <3 spelling errors</p>			<p>3</p>

Further copies of this publication are available from
Edexcel Publications, Adamsway, Mansfield, Notts, NG18 4FN

Telephone 01623 467467

Fax 01623 450481

Email publication.orders@edexcel.com

Order Code UG028244 June 2011

For more information on Edexcel qualifications, please visit
www.edexcel.com/quals

Pearson Education Limited. Registered company number 872828
with its registered office at Edinburgh Gate, Harlow, Essex CM20 2JE

Ofqual




Llywodraeth Cynulliad Cymru
Welsh Assembly Government



1185 2F
1106