

GCSE

Edexcel GCSE

Information and
Communication Technology
(1185-2H)

Summer 2005

advancing learning, changing lives

Mark Scheme (Results)

Mark Scheme - June 2005 1185-2H
Section A

Question	Answer
1	D
2	C
3	C
4	B
5	B
6	D
7	C
8	B
9	A
10	C
11	A
12	A
13	D
14	A
15	C
16	A
17	C
18	A
19	C
20	C

**Mark Scheme - June 2005 1185-2H
Section B**

QUESTION		ANSWER	POSS. MARK	MAX
1	a			
	i	Customer-ID	1	
	ii	Uniquely identify a record	1	
		Maybe two customers with the same name	1	
				3
	b			
	i	Format of data is shortened / changed to:	1	
		• Aid data entry	1	
		• Aid computer processing	1	
				2
	ii	Any 2 of:		
		Quicker data entry	1	
		Mistakes are less likely to be made.	1	
		Reduction in space for storage	1	
		Saves space on printout / screen	1	
				2
	c	Validation		1
			- check by software	1
			- on data entry	1
			- sensible example given (in context)	1
	Verification		1	
		- double entry	1	
		- proof reading	1	
		- manual check	1	
		- sensible example	1	
	Regularly update information		1	
	Update changes received from customer		1	
				4
			Total	11

**Mark Scheme - June 2005 1185-2H
Section B**

QUESTION		ANSWER	POSS. MARK	MAX	
2	a	Any 2 of:			
		Cost of Installation	1		
		Need for a network manager/system administrator.	1		
		Higher risk of viruses			
		Need for security	1		
		Performance	1		
		Network failure can affect all	1		
				2	
	b	Any six of			
		Search for 'y' in Friend	1		
		Type in email address.	1		
		Enter subject	1		
		Compose / create	1		
		Select Attachments	1		
		Browse for file	1		
		Select / Attach file	1		
		Select from mailing list	1		
Distribution list		1			
Send		1			
			6		
		QWC	3		
		Total	11		

**Mark Scheme - June 2005 1185-2H / 3185-2H
Section B**

QUESTION		ANSWER	POSS. MARK	MAX
3	a			
		Touch screen	1	
		Bar code reader / scanner	1	
		Concept keyboard	1	
		Touch screen / Concept keyboard	Select Item	1
			Database accessed	1
			Price displayed	1
		Bar code reader / scanner	Laser reads bar code	1
			Item no identified	1
			Database accessed	1
			Price displayed	1
				3
	b	IF(D2<E2,"Y","N")	6	
		IF(E2>D2,"Y","N")	6	
		IF(D2<=E2,"Y","N")	6	
		IF(E2>=D2,"Y","N")	6	
		IF(D2>E2,"N","Y")	6	
		IF(E2<D2,"N","Y")	6	
		If	1	
		Brackets in sensible place	1	
		Both cells correct	1	
		Y and N in correct order	1	
		> <= correct	1	
				6
			Total	9

**Mark Scheme - June 2005 1185-2H
Section B**

QUESTION		ANSWER		POSS. MARK	MAX	
4	a	Way	How / why it improves			
		Convert to columns	To make it easier to read	1,1		
		Add borders	Draws in the eye	1,1		
		Change font size for the title	So it stands out better	1,1		
		Enhance (B/U/I) specified text	So it stands out better	1,1		
		Add side headings	To break up text / easier to read	1,1		
		Change font style	Looks more interesting	1,1		
		Fully justify text	Looks more professional	1,1		
						4
	b	Any 3 of:				
		Scan the image / Digital camera / Download image from Internet		1		
		Crop		1		
		Resize		1		
		Manipulate picture using graphics package		1		
		Download from device to computer		1		
					3	
				Total	7	
5						
		Form Title		1	1	
		Ease of Use -	Any 2 of:	1		
			Scroll bars	1		
			Drop down menus	1		
			Command buttons	1		
			Sensible Field lengths	1		
			Coding e.g. for gender			
					2	
		Content:	House number / name	1		
		4 given - 2 marks	Post Code	1		
			County	1		
		2 given - 1 mark	Contact No. (only one)	1		
			Date of Birth	1		
			e-mail address	1		
			Gender	1		
			Title	1		
					2	
				Total	5	

**Mark Scheme - June 2005 1185-2H
Section C**

QUESTION		ANSWER	POSS. MARK	MAX	
1	a	Input ----- Process ----- Output	1		
		Process ----- Backing Store	1		
		All 4 arrows correct	1		
					3
	b	i	Stores program currently being used	1	
			Stores user's data	1	
					1
		ii	Stores start up instructions / boot file	1	
		iii	Don't allow opposites		
			ROM permanent	1	
			RAM volatile, lost when computer turned off	1,1	
			Read and write RAM	1	
	WORM		1		
		Not ROM read only (is in question)			3
			Total	8	
2	a	1 mark for each correct cycle	4		
				4	
	b	Repeat 4	1		
		F3 / R90 (Accept F2)	1		
		End (repeat)	1		
		F3, R90, F3, R90, F3, R90, F3, R90 (accept F2)- or anything else that works	1		
					3
			Total	7	
3		Decision and action for turning on (temp <24)	1		
		Decision and action for turning off (temp >28)	1		
		Reading the temperature	1		
		Totally logical correct answer, using correct arrows	1		
					4
			Total	4	

**Mark Scheme - June 2005 1185-2H
Section C**

QUESTION		ANSWER	POSS. MARK	MAX
4	a	Any 3 of:		
		Fireproof safe in case Head Office catches fire	1	
		Taken aware from the premises in case of flood or fire	1	
		Backup	1	
		in case data is corrupted	1	
		in case original is stolen	1	
		in case of fire	1	3
	b	Any 4 of:		
		Staff need retraining	1	
		Redundancy/unemployment	1	
		Don't have to leave the house.....benefit for elderly / disabled people	1,1	
		Customers may not be able to use a computer.	1	
		May not have access to a computer	1	
		Information rich and poor divide.	1	
		Those who do not have access to computers will not be able to bank with Oakleaf.	2,0	
				4
			Total	7

**Mark Scheme - June 2005 1185-2H
Section C**

QUESTION		ANSWER	POSS. MARK	MAX
5	a	Any 2 of:		
		e-mail to Access experts for golfing tips	1,1	
		Use a search engine to look for new courses	1,1	
		Online shopping tobuy clothes / buy equipment	1,1	
		Golfing games	1	
		Use BBC (or other) to watch tournaments on computer	2/0	
		Up to date information on tournaments	2/0	
		Any other sensible		4
	b			
	i	Up to 4 points or 2 expanded.		
		Paedophiles (accessed through the chat rooms)	1,1	
		Pornography (unsuitable content/Material)	1,1	
		Spend time playing games (Not going out playing with friends/socialising)	1,1	
		Time wasting / chattingnot working	1,1	
		Too much time on computernot socialising	1,1	
		Lots of time on-linelarge phone bills	1,1	
		Stop others using phoneif you don't have broadband etc	1,1	
		Illegal downloads could lead to prosecution or fines	1,1	
				4
	ii	Any 2 of		
		Put the computer into a communal area in the house	1	
		Supervise him	1	
		Install 'net nanny' / filtering software	1	
		Install broadband	1	
				2
			Total	10

**Mark Scheme - June 2005 1185-2H
Section C**

QUESTION		ANSWER	POSS. MARK	MAX
6	a			
	i	Spreadsheet package or Database package	1	
				1
	ii	Stores data in organised way		
		Calculations	1	
		Graphs and charts	1	
		Formulas	1	
		Automatic recalculation	1	
				2
	b	Time interval is different	1	
		Too short intervals every hour	1	
		The logging period needs to longer	1	
				2
		Not H & S		
	c			
	i	I2/7	1	
		sum(B2:H2)/7	1	
		avg(B2:H2)	1	
		average(B2:H2)	1	
		(B2+C2+D2+E2+F2+G2+H2)/7		1
	ii	B2,C2,D2,E2,F2,G2,H2	1	
		B1,C1,D1,E1,F1 G1,H1 B2,C2,D2,E2,F2,G2,H2	1	
		B2 TO H2	1	
		B1 TO H2	1	
		Pie chart	1	1
			Total	8

**Mark Scheme - June 2005 1185-2H
Section C**

QUESTION		ANSWER	POSS. MARK	MAX
7		Up to 8 points or 4 points expanded		
		If you crash no one is injured or fatalities	1	
		Skills are learned off the job rather than on	1	
		Expensive to set up initially	1	
		You know you are not going to get hurt so you may take unrealistic chances	1	
		Safety of the public / driver (not both)	1	
		The environment can be varied	1	
		Crashing trains - costs of equipment etc	1	
		It is not real (expanded for mark)	1	
				8
			Total	8
8	a	Any 4 of:		
		Input / output control	1	
		Resource management	1	
		Printer management	1	
		File management	1	
		Allocating memory	1	
		Provides interface	1	
		Displays error messages / warnings	1	
		Allows hardware and software to communicate	1	
		Multi-tasking	1	
		Or anything sensible	1	
				4
	b	Any 2 benefits, each expanded for the second mark. Expansions may be given as benefits		
		Benefit	Expansion	
		Easier for non expert to use.	Don't have to know specific commands	1,1
		Can use 'drag & drop'	Allows transfer of data between applications / folders	1,1
		Icons are easily recognised	Helps beginners	1,1
				4
			Total	8

Quality of Written Communication for Full Course 1185 (2F / 2H)

Quality of Written Communication 6 marks are available on each written paper		
Level 1	Information given has limited relevance and is presented with a little clarity. Candidates spell, punctuate and use the rules of grammar with some accuracy.	1 – 2 marks
Level 2	Some relevant information is presented, with varying degrees of clarity. Candidates spell, punctuate and use the rules of grammar with reasonable accuracy; they use the words and phrases – including specialist terms – with some accuracy.	3 – 4 marks
Level 3	Some relevant information is presented with clarity of expression. Candidates spell and punctuate with considerable accuracy; and use a range of grammatical constructions, competently employing specialist and ICT terms.	5 – 6 marks

Total for paper = 120 + 6 Quality of Written Communication = 126 marks