



General Certificate of Secondary Education

Information and Communication Technology 3528 Short Course *Specification B*

3528/F Foundation Tier

Mark Scheme

2008 examination - June series

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.

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1	(a)	(i)	This point Centred – allow misspellings	1 mark
1	(a)	(ii)	This point Left justified – allow misspellings	1 mark
1	(b)	(i)	This point Selection – allow misspellings	1 mark
1	(b)	(ii)	This point Fill – allow misspellings	1 mark
1	(c)	(i)	This point Clip art – allow misspellings	1 mark
1	(c)	(ii)	This point Word art – allow misspellings	1 mark
1	(c)	(iii)	This point Autoshape – allow misspellings	1 mark
				Total 7 marks
2	(a)	(i)	These points Two of: B, D, E	2 marks
2	(a)	(ii)	These points A, C	2 marks
2	(a)	(iii)	This point One of G, H, J	1 mark
2	(a)	(iv)	This point I	1 mark
2	(b)		This point Upgrade the modem	1 mark
				Total 7 marks

3	(a)	(i)	This point Text – allow misspellings	1 mark
3	(a)	(ii)	This point A formula – allow misspellings	1 mark
3	(b)		This point B – allow =B7*C7	1 mark
3	(c)	(i)	Any reasonable Identifies the cell + describes a method of editing it, 1+1m Highlight cell B6 + type in 400, 1+1m Highlight cell B6 + in the formula bar delete 5 and enter 4, 1+1m	2 marks
3	(c)	(ii)	This point One of: D6 or D10, 1m Ignore more than one correct answer If any cell reference is incorrect, 0m	1 mark
3	(c)	(iii)	This point The cell contains a formula that refers to the other cell	1 mark
3	(d)		This point Pie – allow misspellings	1 mark
				Total 8 marks
4	(a)		This point Record – allow misspellings	1 mark
4	(b)		These points Telephone Number	1 mark
4	(c)	(i)	These points MemberNumber is the key field	1 mark
4	(c)	(ii)	Any reasonable Not 2015, 0365, 0112, 8231 Must be four digits long	1 mark
4	(d)		These points Title or explanation of reason for collecting data or explains how to complete form or entry, 1m max Asks for Name <u>and</u> Instrument, 1m Asks for other reasonable field except telephone number and date of birth; for example: address, gender, e-mail address, experience, 1m max NOT: Age Uses character boxes, 1m Uses tick boxes, 1m Uses any other method that facilitates input to a computer, 1m Questionnaire is signed and dated, 1m	4 marks
				Total 8 marks

5	(a)	These points Turn the heater on	1 mark
5	(b)	These points The best temperature for plant growth	1 mark
5	(c)	These points The temperature in the greenhouse	1 mark
5	(d)	These points Sensors – allow misspellings	1 mark
5	(e)	These points The growing conditions are always the best The greenhouse is monitored all day every day There is less wastage of water and heating than with manual systems	3 marks
			Total 7 marks
6	(a)	These points an icon – allow misspellings	1 mark
6	(b) (i)	These points The person entering the data looks to see that what is written on the questionnaire is the same as the data displayed on the screen	1 mark
6	(b) (ii)	This point To make sure that the data entered into the computer is the same as the data on the questionnaire	1 mark
6	(c)	These points Enter the number 12 and this is rejected Enter the number 4 and this is accepted Enter the number 0 and this is accepted	3 marks
6	(d)	These points The screen has been switched on All the cables are firmly plugged into the correct sockets	2 marks
			Total 8 marks

7	(a)	<p>Any reasonable</p> <p>All instructions in correct syntax, 1m</p> <p>Correct sequence in 6 instructions, e.g. F2 L90 F2 R90 U3 Push, 3m</p> <p>Correct sequence in more than 6 instructions, 2m</p> <p>If not a correct sequence then max 2m</p> <p>L90 followed by R90, 1m</p> <p>Uses F2 twice only, 1m</p> <p>U3 followed by Push, 1m</p>	3 marks
7	(b) (i)	<p>Any reasonable, for example</p> <p>F2</p> <p>L90</p> <p>F3</p> <p>L90 This instruction should be R90</p> <p>U5</p> <p>Push</p> <p>Because the fork lift is facing in the wrong direction</p>	1 mark
7	(b) (ii)	<p>Any reasonable, for example</p> <p>It is dumped on the floor of the warehouse</p>	1 mark
7	(c)	<p>These points</p> <p>There are fewer jobs for people if computer controlled fork lift trucks are used</p> <p>People in other warehouses may have to work longer for less money to compete with warehouses that use computer controlled fork lift trucks</p>	2 marks
			Total 7 marks
8	(a)	<p>These points</p> <p>Employees are quickly deskilled</p> <p>A large quantity of old ICT hardware needs to be disposed of</p>	2 marks
8	(b)	<p>These points</p> <p>Regularly retrain employees</p> <p>Plan spending to allow for regular replacement of hardware and software</p>	2 marks
8	(c) (i)	<p>These points</p> <p>Children can develop the skills needed to modernise their own country</p> <p>ICT hardware is used for longer before it is thrown out</p>	2 marks
8	(c) (ii)	<p>These points</p> <p>Money spent on transporting old ICT hardware may be better spent on providing a clean water supply</p> <p>ICT skills may not be useful to children in developing countries as there are few local jobs that require these skills</p>	2 marks
			Total 8 marks