



General Certificate of Secondary Education

Information and Communication Technology 3528 *Specification B*

3528/F Short Course Foundation Tier

Mark Scheme

2006 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.

It must be stressed that a mark scheme is a working document, in many cases further developed and expanded on the basis of candidates' reactions to a particular paper. Assumptions about future mark schemes on the basis of one year's document should be avoided; whilst the guiding principles of assessment remain constant, details will change, depending on the content of a particular examination paper.

3528/F - Foundation Tier Written Paper (Short Course)

1.												
a.												
i)	This point. Spelling check	1 mark										
ii)	Any reasonable, for example: Highlight 2 of the 't's + cut/delete, 1+1 Right click on the error + select the correct spelling, 1+1 Position the cursor to the left of the 't's + press the delete key 2 times NOT Do a spelling check	2 marks										
iii)	This point. Bullets	1 mark										
iv)	These points. Word-wrap ensures that you only have to press the <RETURN> key at the end of a paragraph. You can use clip art to illustrate the text.	2 marks										
b.	These points. All in order, 2m 3 in order, 1m Correct order is:	2 marks										
	<table border="1"> <thead> <tr> <th>Label</th> <th>Operation</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>Highlight the bar chart in the spreadsheet</td> </tr> <tr> <td>D</td> <td>Copy the bar chart</td> </tr> <tr> <td>C</td> <td>Position the cursor in the word processor document</td> </tr> <tr> <td>A</td> <td>Paste the bar chart</td> </tr> </tbody> </table>	Label	Operation	B	Highlight the bar chart in the spreadsheet	D	Copy the bar chart	C	Position the cursor in the word processor document	A	Paste the bar chart	
Label	Operation											
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D	Copy the bar chart											
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A	Paste the bar chart											
	Total	8 marks										

2.		
a.	These points. Scanner Mouse	2 marks
b.	These points. Monitor Printer	2 marks
c.	These points. A PDA is a portable, handheld hardware device that can fit in your pocket. Input to a PDA is using a touch screen.	2 marks
d.	This point. To keep a list of tasks that need doing, such as homework.	1 mark
	Total	7 marks

3.		
a.		
i)	This point. C7 Allow upper case or lower case.	1 mark
ii)	This point. Allow a number between 0 and 50.	1 mark
b.	This point. C10 or C11 or both, 1m If more than 1 cell reference is given, -1 for each incorrect. Allow upper case or lower case.	1 mark
c.	This point. Formula	1 mark
d.	These points. A tutorial guide to help the mechanic use the spreadsheet. A search engine to help the mechanic find the information needed.	2 marks
e.	These points. All in order, 2m Any 3 in order, 1m Correct order is: C B D A	2 marks
	Total	8 marks

4.		
a.	These points. The trip starts in Settle. There is a special offer return price. The train is a steam train.	3 marks
b.		
i)	This point. DTP (Desk Top Publishing)	1 mark
ii)	Any reasonable, for example: Better control over page layout. Wizards to help with poster design.	1 mark
c.	These points. Pictures are more attractive when printed in several colours. Posters have more impact when printed on very large sheets of paper.	2 marks
d.		
	Any reasonable, for example: Zip disk, CD-R, floppy disk, flash memory stick or equivalents, e.g. pen drive, memory card Allow: PDA, iPod Allow hard disk if it is clear that this is removable or portable. NOT CD-ROM	1 mark
	Total	8 marks

5.		
a.	These points. The driver's name. The car's registration number. How to contact the driver.	3 marks
b.	These points. Relevant title and/or explanation of purpose of questionnaire, 1m Has provision to enter the driver's name; the car's registration number; and how to contact the driver, 1m. Other relevant field, e.g. date of birth, staff or student, 1m Uses character boxes or similar to aid accurate data entry, 1m Uses tick boxes or similar to aid accurate data entry, 1m Uses any other technique to aid accurate data entry, 1m Signed and dated, 1m	4 marks
	Total	7 marks

6.		
a.	These points. The ICT system adds one to the total when a person enters. The ICT system subtracts one from the total when a person leaves. The total is set to zero before people are admitted.	3 marks
b.		
i)	These points. People leave through 3m wide doors and cannot be counted accurately. People who have reserved seats do not attend.	2 marks
ii)	This point. Admit only one person into the stadium and check that the total has increased by 1.	1 mark
c.		
i)	This point. Writes down all of: Johnson, Patel and no others in any order Allow upper case and lower case combinations and misspellings.	1 mark
ii)	Any reasonable, for example: So that season ticket advertising can be sent to them.	1 mark
	Total	8 marks

7.		
a.		
i)	<p>These points.</p> <p>Redevelop the car park at the back of the building to make it more difficult to get to the computer room windows.</p> <p>Put reflective security foil on the windows to stop people looking into the computer room, and to make it harder to break the windows.</p> <p>Make sure there is always a security guard in the foyer.</p>	3 marks
ii)	<p>Any reasonable, for example:</p> <p>Bolt or otherwise secure the computers to the desks.</p> <p>Block up the windows or fit metal security grills over them.</p> <p>Introduce double yellow lines to further restrict parking at the front of the building.</p> <p>Fit a burglar alarm in the computer room; BoD fit an alarm.</p> <p>Move the computer room from the ground floor.</p> <p>Control access to the computer room using swipe cards or coded locks.</p> <p>Fit CCTV cameras; BoD fit a security camera; NOT use a camera.</p> <p>Use a swipe card operated lock; NOT lock the doors.</p> <p>NOT a security guard or security foil in any location</p>	2 marks
b.	<p>These points.</p> <p>Ensure users have an authorised username and password before allowing them to connect to the wireless LAN.</p> <p>Encrypt all the data on the wireless LAN.</p>	2 marks
	Total	7 marks

8.	<p>Any reasonable advantage, for example: You do not have to travel long distances to the shops. Goods are delivered to you. You have easy access to banking facilities without travelling. You can do your banking at any time rather than having to wait until you are able to travel into larger towns and cities. You have access to a much wider range of goods. You are not dependant on local shops stocking what you need. Helps the environment by using less petrol.</p> <p>Any reasonable disadvantage, for example: You may have to be at home when the goods are delivered. You cannot inspect the goods effectively as you only see pictures before delivery. If a criminal/hacker gets your credit card details they can buy goods on line in your name. If a criminal/hacker gets the username and password for your on-line bank, they can transfer money out of your account. A criminal/hacker can get your personal details/steal your identity NOT someone can... Identity theft. Your opportunities to socialise will be reduced even more as you will not travel into larger towns and cities as often. Village shops and services close down as they are used less often. You need Internet access to make use of these services. NOT you might get a virus.</p>	<p>7 marks</p> <p>max 4 adv.</p> <p>max 4 disadv.</p>
	Total	7 marks