AQA

A S S E S S M E N T and
Q U A L I F I C A T I O N S
A L L I A N C E

General Certificate of Secondary Education

Information and Communication Technology 3528 Short Course
Specification B

3528/F   Foundation Tier

Mark Scheme

2007 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
GCSE Information and Communication Technology Specification B (Short Course)

1	(a)		These points. peter.jones@schoolsnet.ngfl.uk pqr@manch.biz.net	2 marks
1	(b)		These points. A new e-mail message opens or a blank e-mail form opens The e-mail is automatically addressed A signature is automatically put in the message	3 marks
1	(c)	(i)	These points. A word processed document A digital photograph	2 marks
1	(c)	(ii)	Any reasonable, for example: A program A spreadsheet A slide show A web page An audio file, allow: music A video file A virus NOT: A word processed document or a digital photograph or equivalents	1 mark

Total 8 marks

2	(a)	These points. A number; A picture	2 marks
2	(b)	This point. B5	1 mark
2	(c)	This point. =E5-C6+D6	1 mark
2	(d)	These points. Modelling future spending Displaying the balance carried forward each month of the year in a graph	2 marks
2	(e)	These points. Correct order is DBAC, 2m Any 3 in order, 1m For example, BDAC, DABC, DACB	2 marks

Total 8 marks

3	(a)	These points.	2 marks
		www.pqrest.org.uk	
		http://www.pqrest.com	

3	(b)	These points.	2 marks
		Type of connection to computer	
		Resolution of scanned image	

3	(c)	These points.	2 marks
		Correct order is CDAB, 2m	
		Any 3 in order, 1m	
		For example, ACDB, CADB, CDBA	

3   (d)   Any reasonable, for example: 1 mark
The student may not have a bank or credit card
The student might have to wait for the scanner to be delivered
The scanner may not arrive
The wrong scanner may be delivered
The carrier may try to deliver when the student is at school and take the scanner back to the depot
The depot might be so far away the student cannot collect the scanner in a reasonable travelling time
The student may have to pay for post or packaging
Personal details could be collected and misused
NOT: There is no one to ask for help

Total   7 marks

| 4 | (a) | (i) | This point. | 1 mark |

Term	Label
(i) Window	B

| 4 | (a) | (ii) | This point. | 1 mark |

Term	Label
(ii) Menu	D

4   (b)   These points.   2 marks
Within 'My Music' there should be one folder for each different
artist
Within the folder for an artist, there should be one folder for each
album

4   (c)   These points.   2 marks
The music fan wants to play the music files on another computer.
A backup copy is needed

4   (d)   This point.   1 mark
A PDA is a mobile device so that you can listen to music anywhere

                                                                    Total 7 marks

5 (a) (i) This point.   1 mark

Term	Label
(i) Systems analysis and design	B

5 (a) (ii) This point.   1 mark

Term	Label
(ii) Implementation	A

5 (b) These points.   1 mark
Talk to employees of doctors' surgeries and find out what they do

5 (c) These points.   2 marks
Some doctors have handwriting that is difficult to read
There may only be one copy of a handwritten prescription. If a
word processor is used, it is easier to store a record of what has
been prescribed

5 (d) These points.   3 marks
Correct topology (line/bus or star, not ring), including at least three
networked computers and a file server (allow: CPU, main
computer; NOT: LAN), 1m
Other servers clearly labelled, e.g. printer server, 1m
Networked hardware: printer, scanner, hub, wireless access point,
etc., 1 each, max 2m
Local hardware: printer, scanner, etc., 1 each, max 2m
Connection to other networks, 1m

Total 8 marks

6	(a)	These points. Beam A is broken before beam B if a boat is entering Beam B is broken before beam A if a boat is leaving	2 marks
6	(b)	These points. When a boat enters the harbour, the computer adds 1 to the total When a boat leaves the harbour, the computer subtracts 1 from the total	2 marks
6	(c)	These points. Two boats have entered at the same time side by side A flock of seagulls have flown across the harbour mouth and broken both beams	2 marks
6	(d)	Any reasonable, for example. Narrow the harbour mouth so that only one boat can enter or leave at the same time Adjust the software to discriminate between birds and boats Use bird scarers	1 mark
6	(e)	Any reasonable, for example. So that only those people who should use the computer can use it So that the system can't be altered maliciously	1 mark

Total   8 marks

7	(a)		This point. Bar Code Number	1 mark
7	(b)	(i)	These points. Chilli Peppers and Chilli Sauce Allow Peppers and Sauce Allow Bar Code Numbers: 031021 952776; 002359 645009	1 mark
7	(b)	(ii)	These points. Chilli Peppers and Sweet Corn Allow Peppers and (Sweet or Corn) Allow Bar Code Number: 031021 952776; 010046 001102	1 mark
7	(c)		This point. If the bar code will not scan, the checkout operator can enter the **Bar Code Number**	1 mark
7	(d)		These points. CBEAD, 3m Starts with C and ends with D, 1m BE in order ignoring other labels, 1m	3 marks

Total 7 marks

8	(a)	These points. Look at the layout of the streets and gardens in a residential neighbourhood Look at shape of the United Kingdom and Europe	2 marks
8	(b)	These points. Satellite pictures are low resolution and they are not clear enough to identify individuals Cameras on satellites cannot see everywhere inside buildings	2 marks
8	(c)	These points. The location of schools The route taken by public transport	2 marks
8	(d)	This point. The council could plan new housing estates so that they fit in with existing communities	1 mark

Total 7 marks