



General Certificate of Secondary Education

Information and Communication Technology 3527 Short Course *Specification A*

3527/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.

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1		C	1 mark	Correct answer only
2		D	1 mark	Correct answer only
3		A	1 mark	Correct answer only
4		B	1 mark	Correct answer only
5		B	1 mark	Correct answer only
6		D	1 mark	Correct answer only
7		A	1 mark	Correct answer only
8	(a)	C	1 mark	Correct answer only
	(b)	D	1 mark	Correct answer only
	(c)	B	1 mark	Correct answer only
	(d)	C	1 mark	Correct answer only
	(e)	C	1 mark	Correct answer only
9	(a)	Line spacing Centre	1 mark 1 mark	Correct answer only Correct answer only
	(b)	<ul style="list-style-type: none"> • Picture/clipart added/graphic/image/logo • Text/font size made bigger/smaller/changed • Text font type e.g. Arial changed/Word art used • Text made bold/underline/italic/text style changed For text – allow words/writing <ul style="list-style-type: none"> • Using bullet points/numbering/lists • Drawing tools/auto shape • Tables • Text boxes • Borders/Border Art • Columns/Tab • Shaded/pattern/watermark/colour text/ coloured background • Text wrapping • Text right/(fully) justify/indent/margins/alignment/rotation Change font – scores 1 mark (size or style are repeats)		

Any 2 x 1 mark

(c) (close variation for these but clearly correct)
 Spell Check
 Grammar Check **1 mark**

(d) Step 1 Highlight the second special offer
 Step 2 Cut **1 mark**
 Step 3 Position the cursor just above the first special offer
 Step 4 Paste **1 mark**

(close variation but clearly correct)
Allow 1 mark – even if second mark is wrong

10 **NOT names that are already given**

Title at least 3(or coded)
 House number at least 2
 Street - Address line 1 at least 10
 Town/Area/County -Address line 2 at least 10
 (address – instead of above) at least 20/memo/or 2x10

NOTE MAX TWO FOR ADDRESS LINES

If terms Address 1 and town are mixed up – usually gains one tick

Postcode at least 7
 (Or clear 3box gap 3 box)
 Telephone number (day) at least 11
 Telephone number (evening) at least 11
 Contact tel. Number at least 11
 Mobile tel. Number at least 11

NOTE MAX TWO TELEPHONE NUMBERS

Fax number at least 11
 E-mail address at least 20 (sensible splits)/memo
 Photo box to fit
 Date of membership/expiry of membership at least 8(2-2-2/4)
 (Type of) identification given at least 10
 DOB at least 8(2-2-2/4)
 Gender at least 6 (or coded)
 Signature Memo
 Signature (parents/carer/guardian) Memo
 Date at least 8(2-2-2/4)

NB – could use the date at end of form

NOT NI - Not doctor, not doctor's address etc.

NOT age

Boxes only unless memo specified

[] – Open boxes are OK – boxes with small vertical lines are OK
 but dashes are NOT/ just lines are not

Memo = lines/dashes/large box/dots

IGNORE FILLING IN

Mark only the first 6 fields (Do not count first name, surname)

Ignore correct duplicate fields e.g. 3rd telephone number – these

do not count in the SIX
 Tick correct field name – do not penalise lack of capitals or spelling
 Tick correct number of boxes/memo field for the corresponding field name.
 Count ticks - divide by 2 - round down

Max 6

11 (a) Extra words will NOT gain one of the marks (think of it as marking all the work then -1. Min ZERO). Allow FD or other abbreviations. Allow cm or degrees.

Clockwise solution

Forward 10 **1 mark** **Correct answer only**
 (or equivalent i.e. Forward 2 Forward 8)

Right 90
 Forward 1 **1 mark** **Correct answer only**

Right 90
 Forward 8 (allow equivalent)
 Right 90
 Forward 1 **1 mark** **Correct answer only**

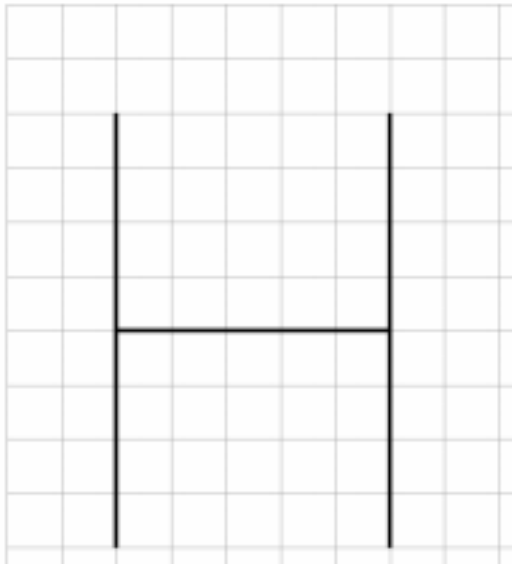
Anticlockwise solution

Forward 2 **1 mark** **Correct answer only**
 (or equivalent i.e. Forward 1 Forward 1)

Right 90
 Forward 1 **1 mark** **Correct answer only**

Left 90
 Forward 8 (allow equivalent)
 LEFT 90
 Forward 1
 Left 90
 Forward 8 (allow equivalent) **1 mark** **Correct answer only**

(b)



Correct 1st vertical line **1 mark**
(correct place and orientation)

Correct 1st horizontal line **1 mark**
(correct place and orientation)

Correct 2nd vertical line **1 mark**
(correct place and orientation)

NB – if the second line is wrong. The third mark can still be given for the correct third line (even in the wrong position)

- | | | | | |
|----|-----|--|---------------|----------------------------|
| 12 | (a) | (i) input | 1 mark | Correct answer only |
| | | (ii) software | 1 mark | Correct answer only |
| | | (iii) it is reasonable | 1 mark | Correct answer only |
| | (b) | presence check | 1 mark | Correct answer only |
| | (c) | make sure the mark is less than or equal to 100 (or similar)
make sure the mark is greater than or equal to 0 (or similar)
between max/min upper/lower limit | | 1 mark |
| | | if mark is not within the range an error is signalled | | 1 mark |
| 13 | (a) | Faster to search (NOT easier) / quicker to find
Faster/neater/easier to edit/update/backup
Faster to sort/sort on multiple fields
Takes up less space
Less chance of losing/misplacing records
Faster/neater to graph data
Faster/more attractive generation of reports
Access by several people at one time
More secure because.....
Access from outside surgery
Export to other applications | | Any 2 x 1 mark |
| | (b) | It is a piece of software | 1 mark | Correct answer only |
| | | It spreads once installed | 1 mark | Correct answer only |

- 16 (a) Take regular breaks away from the computer **1 mark** **Correct answer only**
 Use a chair that offers suitable back support **1 mark** **Correct answer only**
- (b) Headaches
 Eye strain
 Wrist problems/Carpel Tunnel Syndrome/RSI(finger problems)
 Possible radiation from monitor
 Possible epilepsy from monitor
 Overheating of the room
Any 2 x 1 mark
- 17 back-up copy **1 mark**
 mail-merging **1 mark**
 data logging **1 mark**
 OMR **1 mark**
 (close variation but clearly correct)
MAX 4 marks
- 18 (a) Importing images **1 mark** **Correct answer only**
 Reflecting images **1 mark** **Correct answer only**
 Freehand drawing **1 mark** **Correct answer only**
- (b) (close variation for these but clearly correct)
 Scanner
 Graphics tablet/digitiser
 Light pen (NOT laser pen)
 Joystick
 Tracker ball **1 mark**
- (c) Graphics files are large **1 mark** **Correct answer only**
- (d) Save the artwork onto CD-ROM or pen drive or similar (NOT floppy disk) **1 mark**
 Send it by post/courier/hand deliver **1 mark**
OR
 Create file as an attachment/attach image **1 mark**
 Send it by e-mail/ over **internet** **1 mark**

- 19 (a) Information must not be excessive for the purpose
1 mark **Correct answer only**
- Information must not be transferred to countries outside the European Union
1 mark **Correct answer only**
- Information must be obtained fairly/lawfully
1 mark **Correct answer only**
- (b) (i) 5 **1 mark** **Correct answer only**
- (ii) ID Number (close variation but clearly correct) **1 mark**
- (iii) A key field must be unique in a database table
1 mark **Correct answer only**
- (c) Video/film/products/stock table
Supplier table
Orders/rentals/sales table **1 mark**
- (d) Avoids duplication of data/redundant data within tables
Less data entry so less time and less likely to make errors
Can produce report/select fields/take fields from each/more than one of the tables
of the each of the tables **1 mark**
- 20 (a) Word processing (close variation but clearly correct) **1 mark**
- (b) Web authoring (close variation but clearly correct) **1 mark**
- (c) Spreadsheet (close variation but clearly correct) **1 mark**
- (d) DTP (close variation but clearly correct) **1 mark**
- (e) Database (close variation but clearly correct) **1 mark**