

General Certificate of Secondary Education

Information and Communication Technology 3521 Full Course

Specification A

3521/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	В	1 mark	Correct answer only
5	В	1 mark	Correct answer only
6	NOT names or address that are alreated Town/City/county count as repeats Title Postcode (Or clear 3box gap 3 box) Telephone number (day) Telephone number (evening) Contact tel. Number Mobile tel. Number NOTE MAX TWO TELEPHONE NUMBER (Type of) identification given at least Photo Date of membership/expiry of members (Type of) identification given at least DOB Gender Signature Signature (parents/carer/guardian) Date NB – could use the date at end of form NOT NI - Not doctor, not doctor's ad NOT age Boxes only unless memo specified Open boxes are OK – boxes with so but dashes are NOT/ just lines are not. Memo = lines/dashes/large box/dots IGNORE FILLING IN Mark only the first 4 fields (Do not compared to the compared to the product of the	at least 20 (sensible sp box to ship at least 10 at least Memo Memo at least Memo at least Memo at least setc.	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

7 (a) Line spacing Centre

1 mark Correct answer only 1 mark Correct answer only

- (b) 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

- 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) 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

8 (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 (or equivalent i.e. Forward 1 Forward 1)

1 mark

Correct answer only

Right 90

Forward 1

1 mark

Correct answer only

Left 90

Forward 8 (allow equivalent

LEFT 90

Forward 1

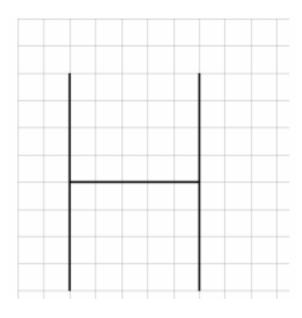
Left 90

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)

9	(a)		Manages data transfers to and from peripherals	1 mark	Correct answer only
			Provides a means of communication between ap	oplications softw 1 mark	rare and the hardware Correct answer only
			Allocates memory for storing programs	1 mark	Correct answer only
	(b)		Multi-user	1 mark	Correct answer only
10	(a)		spreadsheet	1 mark	Correct answer only
	(b)		D12 (close variation but clearly correct)		1 mark
	(c)		= D8-D21	1 mark	Correct answer only
	(d)		Number/numeric/integer (close variation but cle	early correct)	1 mark
	(d) (e)		Number/numeric/integer (close variation but cle A virus may corrupt the information	early correct) 1 mark	1 mark Correct answer only
11		(i)	· ·	,	
11	(e)	(i) (ii)	A virus may corrupt the information Sending the order to the supermarket	1 mark	Correct answer only
11	(e)	.,	A virus may corrupt the information Sending the order to the supermarket from their PC	1 mark 1 mark edit card 1 mark	Correct answer only Correct answer only

Advantages

- Cheaper/quicker in the long run because......
 - Saves lots of their time travelling there and doing the shopping
 - O Saves money on petrol and putting mileage on the car/ bus fare
- Do not have to leave the house/ order from comfort of their home
- Can order them 24/7 not just when the supermarket is open
- Use repeat orders to save time
- Wider choice
- Faster to search (on-line)
- Home delivery

NOT just cheaper or faster

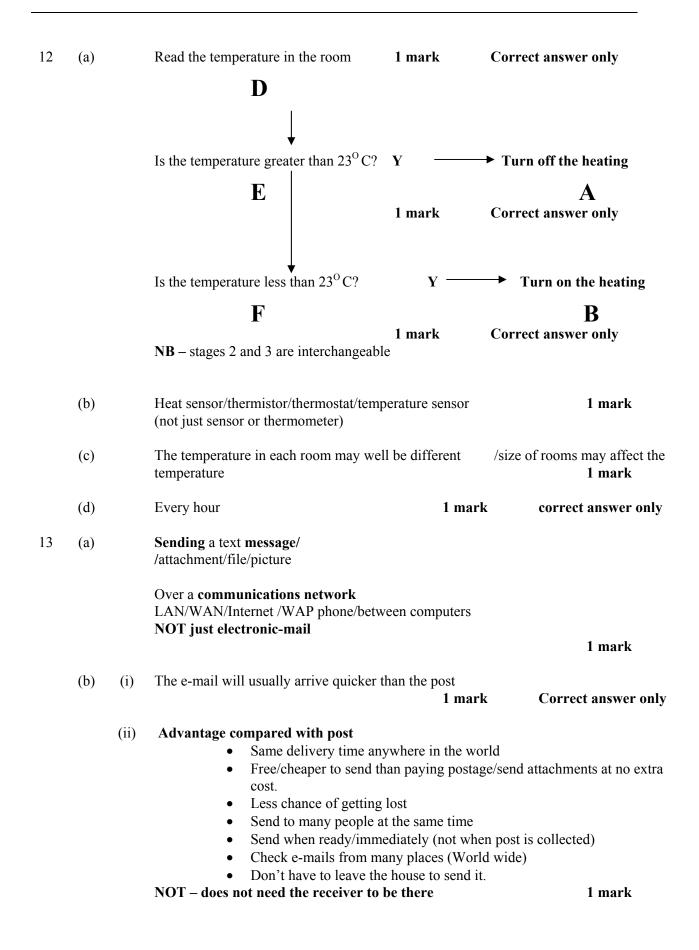
Any 2 x 1 mark

(c) **Disadvantages**

- Not feel a personal service/ cannot choose own groceries/ cannot see what you're getting/damaged
- Virus issues/Hacking issues
- Fear of buying due to credit card security would cut sales/fraud
- Not everyone has access to/knows how to use Internet/computers /network down.

Arrives late/ does not arrive /wrong goods delivered/ have to wait for goods

1 mark



		(111)	 Problems with computers are n Catch/send virus Can't send parcel/bulky items 		
			Need a computer/Internet/WAI	pnone etc.	1 mark
14	(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 make sure the mark is greater than or equal to 0 between max/min upper/lower limit if mark is not within the range an error is signal	(or similar)	1 mark
			if mark is not within the range an error is signar	neu	1 mark
15	(a)	(i)	The driver would not be in any danger using a serious Road and weather conditions on the simulator	1 mark	Correct answer only as needed Correct answer only
		(ii)	The distance taken to stop will vary with weath	er conditions 1 mark	Correct answer only
	(b)		Spreadsheet	1 mark	Correct answer only
	(c)		Changing a variable or variables within the mod	del	
			Looking at/analysing the results of these change	es	
			Make decisions/predictions/more changes as a	result of the ana	lysis
			The process is often cyclic/repeated		Any 2 x 1 mark
16	(a)		Information must not be excessive for the purp	ose 1 mark	Correct answer only
			Information must not be transferred to countrie	es outside the Eu 1 mark	ropean Union 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) Disadvantage compared with post

		(iii)	A key field mu	ust be unique in a database table	1 mark	Correct answer only
	(c)		Video/film/pro Supplier table Orders/rentals/	oducts/stock table /sales table		1 mark
	(d)		Less data entry	ation of data/redundant data with y so less time and less likely to report/select fields/take fields fro les	an one of the tables of the 1 mark	
17	(a)	(i)	Immediate fee	dback of information	1 mark	Correct answer only
		(ii)	Questionnaires	s are often not completed	1 mark	Correct answer only
		(iii)	Can watch "it"	s actually happening/not subject a number of times taff exaggeration/lies	tive	1 mark
	(b)	(i)	Design	("2 nd stage")	1 mark	Correct answer only
		(ii)	Evaluation	("5 th /last stage")	1 mark	Correct answer only
		(iii)	Testing	("4 th stage")	1 mark	Correct answer only
18			back-up copy mail-merging MICR (close variation	n but clearly correct)		1 mark 1 mark 1 mark
19	(a)		Menu driven		1 mark	Correct answer only
	(b)		Consistency of layout (use of) colour (use of) sound (use of) images/pictures/graphics position of items on screen/easy to navigate help facilities house style/user friendly NOT easy to use.		1 mark	Correct answer only
	(c)				Any	2 x 1 mark