

Student Bounty.com

General Certificate of Secondary Education 2011

## **Information and Communication Technology**

Full Course

Paper 1

Foundation Tier

[G5801]

**MONDAY 13 JUNE, AFTERNOON** 

# MARK SCHEME

1	(a) B	Software designed to damage the computer [1]	AVAILABLE MARKS
	<b>(b)</b> B	The Computer Misuse Act [1]	
	(c) A	The Data Protection Act [1]	
	(d) B	It cannot be erased [1]	
	(e) C	Stores data when it is being copied [1]	
	( <b>f</b> ) A	Are written using HTML and may contain hyperlinks [1]	
	(g) C	The buying and selling of goods and services via the Internet [1]	
	<b>(h)</b> D	When text flows automatically around a graphic [1]	
	(i) B	Reduce the number of web pages returned in a search [1]	
	(j) C	Monitor [1]	10

2 (a) Merged [1] or centred [1] or centred across selection [1]

[1] AVAILABLE MARKS

**(b)** 

2	ITEM	Quantity	Cost	Total Cost	% Discount	Discount £	Total Payable
3	Airporter Bus Ticket	15	£20.00	B3*C3 Not Sum	10%	D3/10 D3*E3 Or D3*10% Or D3* 10/100 D3*0.1 Not Sum	D3–F3 Accept Sum

[3]

(c) (i) Instead of (:) accept (-), (to), (,)

A3 Cell range 1 <u>A3:A9</u> [1] A2:A9 [1] A2/A3, A4, A5, A6, A7, A8, A9 [1]

A9 Cell range 2 G3:G9 [1] G2:G9 [1] G2/G3, G4, G5, G6, G7, G8,

G9 [1]

A3-9 [1] G3-9 [1]

[2]

[1]

(ii) ONE from:

The cost of each item on the list [1]

The cost of any particular(named) item on the list [1]

The most expensive/cheapest/comparative cost [1]

Not Total Cost

BCC – recipients see the email	eir own email address [1]	[2]	AVAILABLE MARKS
Don't see anybody else's ema  (b) Browse to locate the file [1  Attachadd the file to the en	] Pick/Select/Choose the file [1]	[2] [2]	4
4 (a)			
Task	Software		
	Select ONE only		
Perform financial calculations on customer data.	<ul><li>□ Database</li><li>☑ Spreadsheet</li><li>□ Desktop Publishing</li><li>□ Email</li></ul>		
	Select ONE only		
Store customer records without repeating data.	<ul><li>✓ Database</li><li>☐ Spreadsheet</li><li>☐ Desktop Publishing</li><li>☐ Email</li></ul>		
	Select ONE only		
Create a flyer to advertise the company.	<ul><li>□ Database</li><li>□ Spreadsheet</li><li>☑ Desktop Publishing</li><li>□ Email</li></ul>		
		[3]	
(b) (i) Any two from: The combination of text/sound[1]	graphics[1] animation [1] video [1]	[2]	
	<b>by step</b> [1]/through a series of option end product [1]/which gives the user		
A wizard is a program [1		[2]	7

Device	<b>Device Name</b>	Use
Unit Drink Fries Burg Des Other  Unit Drink Fries Burg Des Other	Concept Keyboard [1]	Select food items [1]  Use finger to touch appropriate picture [1] or Supermarket/Fast food tills [1]/Drink dispensing machines [1]
(ii) ©iStockphoto/Thinkstock	Tracker pad [1] Touch pad [1]	Moves cursor/pointer/ mouse [1]  Tap pad with finger [1] or Laptop instead of mouse [1]  Allow selection of icons/ selection on screen [1]
(iii)  ©Hemera/Thinkstock	Joystick [1]	Use hand to manoeuvre the stick left/right each action representing data[1]  or Playing games [1] Navigating games [1] Selecting options [1]

(b) A laser printer is a type of NON IMPACT [1] printer. It produces HIGH [1] quality printouts and uses TONER [1] to print on paper. A DOT MATRIX [1] printer can produce carbon copies because the print head makes contact with the paper. [4]

7	(a)	Two from: Webcam/digital camera/video camera [1] Not car speakers [1] microphone [1] screen/projector [1] Broadband/ADSL/fast Internet connection/ISDN/router [1]		]/	[2]	AVAILABLE MARKS
	(b)	Two from: Body language/face to face [1] Pupils will be able the author directly [1] they may gain a better und questioning the author directly [1] No need to tra overheads [1] Meeting can be set up when it suits Immediate response [1]	erstanding vel to meet	from /No tr		
	(c)	Internet could be slower [1]/Accept a statement v to decreased performance [1]	vhich make	es refe	rence [1]	5
8	(a)	A database is an <b>organised</b> collection of information	tion. [1]			
		Each entry about a person or item in a database is	s called a <b>r</b> o	ecord	. [1]	
		Data can be entered into a database using a <b>form</b>	. [1]		[3]	
	(b)				[1]	
	(6)					
		(ii) Prize ID			[1]	
	(c)					
		Formatting	Tick (✓)	(or)	(or)	
		The report is grouped according to Attending				
		The report is grouped according to Year Group	1	1		
		The report is sorted according to Surname	✓		1	
		Any one correct answer			[1]	
	(d)	Comma Separated Variable(s)			[1]	7

9	(a)	Electronic Point of Sale	[1]	AVAILABLE MARKS
	(b)	Any <b>two</b> from: Printer [1], Screen/LCD/Monitor [1], Speaker/Buzzer [1]	[2]	
	(c)	Any <b>two</b> from: Initial capital outlay [1] Problems if break down [1] Cost of maintenance [1]/running cost [1] Staff need training [1] Delay of payment into shop owners account [1]	[2]	
	(d)	Any <b>one</b> from: Country of origin [1] Manufacturers code/number/ID [1] Product code/number/ID [1] Item code/number/ ID [1] Check digit [1]	[1]	6

Online banking	Tick (✓)
Transfer money	✓
Withdraw money	
Pay bills	✓
Print cheques	

[2]

#### **(b)** Any **one** from:

Concerns about security hackers [1]

Not ICT literate [1]

Worried about details being passed on [1]

Concerns about viruses [1]

May not have necessary equipment – Internet/PC [1]

[1]

### (c) Personal Identification ID Number

[1]

#### (d) Any two from:

Microchip has larger storage capacity [1]

Microchip can be edited [1]

Magnetic stripe more easily copied [1]

Magnetic stripe more easily damaged [1]

Magnetic stripe has smaller storage capacity [1]

Magnetic stripe cannot be (easily) edited [1]

[2]

Device	Magnetic or Optical?
©iStockphoto/Thinkstock	Magnetic
©iStockphoto/Thinkstock	Optical [1]
©iStockphoto/Thinkstock	Magnetic [1]

[2]

**(b)** List following storage devices 1-3 in order of speed of data retrieval from fastest to slowest.

hard disc main memory CD ROM

- 1. Main Memory [1]
- 2. Hard disc [1]
- 3. CD ROM [1] [3]
- **(c)** Any **one** from:

External Hard Drive [1] Magnetic Tape [1] Zip Disc [1]

USB [1]

CD [1]

DVD [1]

[1]

12	(a)	Any <b>one</b> from: Heat/Temperature/Moisture/Humidity [1]/thermistor [1] thermometer [1]	1]/	[1]	AVAILABLE MARKS
	(b)	Any <b>one</b> from: Less chance of human error [1] Already in format for computer to process [1] Can record 24/7 [1] Can record data in dangerous situation [1]/without hum intervention [1]	nan	[1]	
	(c)				
		Definition	Tick (✓)		
		The input to the system affects the output values			
		The output from the system affects the input values	✓		
		The output values are never affected			
		The input values are never affected			
				[1]	3
13	(a)	Any <b>two</b> from: Expensive peripherals can be shared [1] data can be sh Software can be shared [1] Users can logon from any computer on the network [1] Better security [1] Virus protection [1] Files can be backed up centrally [1] Communication between workstations [1]/users Centralised system management [1]		[2]	
	(b)	Internet is the hardware used to link into the WAN [1] The WWW is the web pages/data/applications which to the Internet [1]	ravels on	[2]	
	(c)	Any <b>two</b> from:  Large geographic area/small geographic area [1] linked using copper/linked together using fibre optic [1]/telep Connections to LAN tend to be more permanent e.g. ca	hone lines [1]	[2]	
	(d)	Any <b>one</b> from: Levels of access/only people with the appropriate level access data/applications [1] User IDs [1] Passwords [1] Only those with the userna can access data [1] Encrypt data [1]			7
		ույր յր ասա [1]		[+]	,

Definition	Term
A web address which when typed into the address bar of a browser will take the user to a website	URL
A document that can be edited and reused over and over again	TEMPLATE
The smallest element on a VDU that can be edited	PIXEL
Allows an area of the screen to be seen more closely	ZOOM
Data in a format known as binary, which consists of two digits 0 and 1	DIGITAL
An object which tracks the user's screen position	CURSOR
A spreadsheet cell reference that does not change when copied	ABSOLUTE
A button on a web browser which shows the web sites that have been visited	HISTORY
Using a database and word processor to create personalised documents	MAIL-MERGE
To convert a document into a format for use in another package	EXPORT
	[10]

] 10

100

QWC 5

Total

The assessment of quality of written communication.

Marks to be allocated for QWC in one of two ways.

Where QWC is to be allocated across 2 marks, the following criteria must be used:

- [2] Accurate spelling and punctuation. Some specialist terms used.
- [1] Reasonably accurate spelling and punctuation. Limited range of specialist terms used.
- [0] Question not attempted.

Where QWC is to be allocated across 3 marks, the following criteria must be used:

- [3] Highly accurate spelling and punctuation. A good range of technical terms used.
- [2] Accurate spelling and punctuation. Some technical terms used.
- [1] Reasonably accurate spelling and punctuation. Limited range of technical terms used.
- [0] Question not attempted.