

HILLCREST HIGH SCHOOL

CAT

GRADE 11

PAPER 2: THEORY

MAY 2011

MARKS: 150

TIME: 2 hours

This question paper consists of 12 pages.

INSTRUCTIONS AND INFORMATION TO CANDIDATES

READ THESE INSTRUCTIONS CAREFULLY BEFORE ANSWERING THE QUESTIONS

1. This question paper consists of TWO sections, namely SECTION A and SECTION B.
2. Answer ALL the questions.
3. Number the questions correctly according to the numbering system used in this question paper.
4. Read ALL the questions.
5. Write neatly and legibly.

SECTION A**QUESTION 1**

Various possible options are provided as answers the following questions. Choose the correct answer and write ONLY the letter (A – D) next to the question number (1.1 – 1.10) in your answer book.

- 1.1 Which one of the following would not typically be considered to be data?
a) MP3
b) Photos
c) MS Paint
d) E-Books (1)
- 1.2 Which one of the following is not an example of a common means of connecting a device to a PC?
a) USB
b) Bluetooth
c) Ultra-violet
d) FireWire (1)
- 1.3 On which of the following devices could a MP3 file be stored?
a) On a MP3 Player
b) On a Memory stick or Flash disk
c) In the memory card of a digital camera
d) On all of the above (1)
- 1.4 The main reason one would make use of a wireless keyboard is to?
a) Be able to use it with a PC running Windows XP
b) Increase the rate at which you can type
c) Reduces the number of typing errors you make
d) Avoid the clutter of having a cable (1)
- 1.5 The term UTP is typically associated with
a) High Speed USB cables
b) High speed internet connections
c) Networks
d) Telephones (1)
- 1.6 A _____ is a small flat, stationary surface functioning as pointing device that is sensitive to pressure or movement.
a) Trackball
b) Joystick
c) Mouse
d) Touchpad (1)

- 1.7 Which one of the following correctly arranges the networks in descending order of size?
- a) WAN, LAN, GAN, SAN
 - b) SAN, LAN, WAN, GAN
 - c) LAN, SAN, GAN, WAN
 - d) GAN, WAN, LAN, SAN
- (1)
- 1.8 Which one of the following terms is not associated with a database?
- a) Report
 - b) Worksheet
 - c) Form
 - d) Table
- (1)
- 1.9 Which one of the following is not directly associated with e-mail?
- a) cc
 - b) Mail merge
 - c) bcc
 - d) Attachment
- (1)
- 1.10 Which one of the following statements concerning spreadsheets is false?
- a) Cells in a spreadsheet are named or referenced by column and then by row.
 - b) Bar graphs, line graphs and column charts are all charts available in a spreadsheet
 - c) Cells may contain text, numbers, formulas or even be left blank
 - d) It is not possible to copy formulas from one worksheet to another.
- (1)

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QUESTION 2

Various possible options are provided as answers the following questions. Choose the correct answer and write ONLY the letter (A – Q) next to the question number (1.1 – 1.10) in your answer book.

COLUMN A		COLUMN B	
2.1	Operating software.	A	Information
2.2	A problem that arises from incorrect ergonomics.	B	Dot Matrix
2.3	Technology that allows voice conversations to take place via a network such as the Internet.	C	PAN
2.4	The product of processed facts.	D	Word processing
2.5	A built-in connection to a related website or file.	E	RSI
2.6	A device that reads or scans characters coded as vertical lines or spaces.	F	FAQ
2.7	A printer used to produce carbon (duplicate) copies.	G	Stylus
2.8	A pencil-like device that is often used with a PDA.	H	Data
2.9	Several computers linked together for the purpose of data storage.	I	Barcode reader
		J	ROM
		K	Encryption
		L	Linux
		M	SAN
		N	Hyperlink
		O	VoIP

QUESTION 3

State whether the following statements are TRUE or FALSE. If the answer is FALSE, give a reason.

- 3.1 To be computer-literate, you must be able to write computer programs. (2)
- 3.2 Because Bluetooth devices are not "Line of sight" they can transmit through non-metal objects such as walls. (2)
- 3.3 FireWire makes use of normal speed data transfer between devices and the computer (2)

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SECTION B**SCENARIO**

A family friend, Mr Mabaso, owns his own company. He has very little computer knowledge and has asked you for some help.

QUESTION 4

Mr Mabaso has 10 stand alone computers in his company. Only 3 of the computers have printers. He has a few general questions for you:

- 4.1 Mr Mabaso is interested in installing a network. Give THREE ways that a network would help his company. (3)
- 4.2 Mr Mabaso has never once backed up his computers. Explain TWO good reasons why he should be doing regular backups. (2)
- 4.3 There are so many different types of software available that Mr Mabaso is totally confused.
- 4.3.1 Explain to Mr Mabaso why computers come with certain software like Windows and why he must buy other software like a word processing application. (2)
- 4.3.2 He was given a freeware program to use. What is meant by freeware? (2)
- 4.4 You look at one of the computers and notice that there is no file structure in the My Documents folder. Give TWO advantages of using different folders in your My Documents folder. (2)
- 4.5 You explain to Mr Mabaso that it is very important to look after his computer's hard drive. List THREE ways which he should look after the hard drive. (3)
- 4.6 After using his computer for a while Mr Mabaso finds that there are several programs that he does not need, so he goes and deletes the program files from the hard drive.
- 4.6.1 Explain to him why that was a bad idea. (2)
- 4.6.2 How should he have gone about removing the programs? (2)
- 4.7 Mr Mabaso deleted some files from his flash drive and now he cannot find those files in the Recycle Bin. What is the reason for this? (2)
- 4.8 While on a trip, Mr Mabaso bought a digital camera. It is a 7.1 MP camera with 6x optical and 12x digital zoom
- 4.8.1 Explain the difference between digital and optical zoom. (2)
- 4.8.2 Is the digital zoom more important than the optical zoom? Motivate your answer. (2)
- 4.9 Mr Mabaso is concerned about the problems that could arise from updating his computer system at work. What do you think could be the biggest problem **and** suggest TWO ways he overcome this problem. (3)