

Name		Class/Stream	
-------------	--	---------------------	--

840/1
COMPUTER STUDIES
Paper 1
Nov. 2013
 2 ½ Hours

GAYAZA HIGH SCHOOL
SENIOR THREE END OF YEAR EXAMINATIONS
COMPUTER STUDIES

Paper 1
 2 Hour 30 Minutes

INSTRUCTIONS TO CANDIDATES

- Write your name and stream clearly in the spaces provided.
- Write your best alternative: **A, B, C** or **D**, on the answer table provided below against questions **1 to 20**.
- *Answers to Section B* should be written in the spaces provided.

Answer Table

1.		6.		11.		16.	
2.		7.		12.		17.	
3.		8.		13.		18.	
4.		9.		14.		19.	
5.		10.		15.		20.	

For Examiner's Use Only

Sec. A	21	22	23	24	25	25	27	28	29	Total

SECTION A

(Attempt all Questions)

1. Which one of the following is a higher storage capacity?
 - A. 2GB
 - B. 2TB.
 - C. 2Mega Bytes.
 - D. 2KB.
2. A computer program which is used to display information on the internet is called a.....
 - A. Gopher site
 - B. Browser
 - C. Website
 - D. Home page
3. A microphone can be used with a computer for:
 - A. Voice Output.
 - B. Voice Storage.
 - C. Voice Recognition.
 - D. Voice Editing.
4. Which of these is a pointing device used to manipulate on-screen objects?
 - A. Compact Disk (CD).
 - B. Keyboard.
 - C. Monitor.
 - D. Track ball.
5. RAM is?
 - A. Permanent memory
 - B. Programmable memory
 - C. Read only memory
 - D. Working memory
6. What is the meaning of the term range as used in spreadsheets?
 - A. Intersection of row and column
 - B. A reference to a particular cell
 - C. A group of adjacent cells
 - D. A collection of work sheets
7. Which of the following can cause a new PC to be infected by a virus?
 - A. Putting it in near another virus infected PC.
 - B. Using it to download unknown attachments form the internet.
 - C. Using it to format new flash disks.
 - D. Scanning the computer with an antivirus utility.
8. Data in a computer is stored in the Format.
 - A. character
 - B. text
 - C. digital
 - D. multimedia
9. The following are negative effects of computers on our society except
 - A. Moral Decay.
 - B. Addiction.
 - C. Electronic Fraud.
 - D. Electronic Commerce.
10. Spreadsheets are mainly used to perform
 - A. calculations
 - B. what-else analysis
 - C. functions
 - D. what-if analysis
11. The scientific milestone of using Integrated circuits (IC) was a characteristic of the
 - A. First generation
 - B. Second generation
 - C. Third generation
 - D. Fourth generation
12. Which of the following is used to give commands to the computer?
 - A. Input devices
 - B. Storage devices
 - C. Output devices
 - D. Processing devices

13. The interconnection of two or more computers to enable communication is called
- A. protocols
 - B. processing
 - C. browsing
 - D. networking
14. Sound stored and produced by a computer is.....
- A. audio
 - B. video
 - C. Mp3
 - D. animation
15. A (n) is a biometric device that captures a live image and compares it with a stored image to determine if the person is a legitimate user.
- A. Signature verification system.
 - B. Iris recognition system.
 - C. Face recognition systems.
 - D. Voice recognition system.
16. All these are data storage devices except
- A. floppy diskette
 - B. hard drive
 - C. control unit
 - D. zip drive
17. Most computer monitors are either CRT or
- A. CMOS.
 - B. BIOS.
 - C. CPU.
 - D. LCD.
18. Which of the following is not an input device?
- A. Touch screen.
 - B. Keyboard.
 - C. stylus
 - D. Printer.
19. The word processing feature similar to a dictionary is called.....
- A. review.
 - B. mail merge.
 - C. spell checker
 - D. thesaurus.
20. Which of the following is the main reason why USB ports are becoming more popular than other port types?
- A. Because USB ports make it easier to connect external devices to PCs.
 - B. Because USB ports allow attaching a multitude of connectors at the back of PCs.
 - C. Because USB ports permit higher-speed device interface data transfer rates.
 - D. Because USB ports support universal plug and play.

SECTION B (60 MARKS)

Attempt All Questions in this section

21. (a) What is the difference between word processing and spreadsheet applications? (01 mark)

.....
.....
.....

(b) Apart from *Microsoft Word*, list *one* example of word processing application. (01 marks)

.....

(c) List any *two* unique features of a word processor and a spreadsheet. (04 marks)

Word Processor

.....
.....

Spreadsheet

.....
.....

(d) List two statistical functions used in spreadsheets. (02 marks)

.....
.....

(e) Differentiate between absolute and relative cell referencing and give an example of each. (02 marks)

Absolute

.....
.....

Relative

.....
.....

22. (a) Write down and explain the four basic functions of the elements of a computer system (04 marks)

.....
.....
.....
.....

.....
.....
.....

(b) Differentiate between general purpose computers and analog computers. (02 marks)

General Purpose

.....
.....

Analog computer

.....
.....

(c) Define computer secondary memory and list two examples. (02 marks)

.....
.....
.....
.....

(d) If a DVD has a capacity of 21GB. How many CD-Rs of 660MB would be required to store information on the DVD? (02 marks)

.....
.....
.....
.....
.....
.....

23. (a) What do you understand by the term keyboard shortcut? (01 mark)

.....
.....

(b) Write down the keyboard shortcuts for the following operations.

Cut

Redo

Rename

Underline

Find and Replace

(c) Write down any two input devices and their purpose. (04 marks)

.....
.....
.....
.....
.....

24. (a) What do you understand by the term computer system? (02 marks)

.....
.....
.....
.....
.....

(b) Differentiate data and information. (04 marks)

Data

.....
.....

Information

.....
.....

(c) Describe the information processing circle. (04 marks)

.....
.....
.....
.....
.....
.....
.....

Blower

.....

.....

.....

Toolkit

.....

.....

.....

Air conditioner

.....

.....

.....

.....

25. (a) State any two advantages of using hexadecimal numbering system. (02 marks)

.....

.....

.....

.....

.....

26. (b) Convert the following bit patterns:

(i) 10010101 to hexadecimal numbering system. (04 marks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

(ii) 1011011 to octal numbering system.

(04 marks)

.....

.....

.....

.....

.....

.....

.....

SECTION C (20 Marks)

Attempt any one Question

Answers are to be written in a separate booklet provided.

27. (a) Differentiate between computer literacy and digital divide. (04 marks)
- (b) What are the advantages and dis-advantages of using computers? (16 marks)
28. (a) Define the term ICT? (02 marks)
- (b) ICT can be applied to various fields. Describe *six* areas where and how ICT can be used. (18 marks)
29. (a) What do you understand by the term computer generation? (04 marks)
- (b) Write down the characteristic differences between first and fourth generation computers. (16 marks)

END