Name……………………………………………… Index No………………………….………...

School……………………………...…………………… Signature ……………………………..………

840/1
COMPUTER STUDIES
PAPER 1
$2^1/_2$hours

WAKISSHA

Uganda Certificate of Education

COMPUTER STUDIES

Paper 1

2hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

- *This paper consists of **three** sections **A, B** and **C**.*

- ***Section A** contains **20 compulsory** objective-type questions.*
  *The correct alternative **A, B, C** or **D** for each question must be written in the box provided on the right hand side of each question.*

- ***Section B** consist of **six compulsory** structured questions. Answers to this section must be written in the spaces provided.*

- ***Section C** contains **three** essay questions. Attempt only **one**. Answers to this section must be written in the answer booklets/sheets provided.*

For examiners' use only

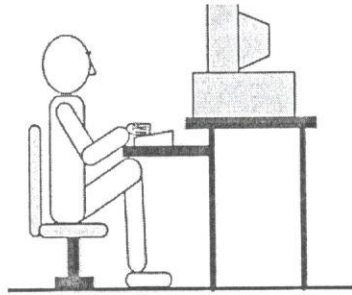| MCQ	Q.21	Q.22	Q.23	Q.24	Q.25	Q.26	Q.27	Q.28	Q.29	Total

Turn Over

SECTION A (20 marks)

Write the correct alternative in the box on the right hand side of each question.

1. You are sitting on the computer as shown in the *figure* below. After a while, your neck becomes sore. Which of the following should you do before continuing?

   A. Raise the height of the chair.
   B. Sit up right without bending the neck.
   C. Swallow some medicine (pain killers and put a scarf around your neck.
   D. Adjust the brightness of the screen.

2. Portrait and Landscape are …
   A. Page orientation.
   B. Paper Sizes.
   C. Page layouts.
   D. Paper types.

3. A character that is raised and smaller above the rest of the text is known as…
   A. outlined.
   B. raised.
   C. supers script.
   D. subscript.

4. Which of the following characteristics will be associated with future computers?
   A. Expensive computers.
   B. Advanced robotics.
   C. Big sized system units.
   D. Inadequate storage systems.

5. A field in a table that appears as a match of the primary key in another table is called…
   A. candidate key
   B. secondary key
   C. foreign key
   D. composite key

6. Which of the following is not a valid version of MS office suite?
   A. Office 2003
   B. Office 2005
   C. Office 2007
   D. Office 2013

7. Which symbol is used before a number to make it a label?
    A. " (quote)
    B. = (Equal)
    C. _ (underscore)
    D. ' (apostrophe)

8. A file which contains ready – made styles and content that can be used for a presentation is called?
    A. Theme
    B. Template
    C. Wizard
    D. Pre formatting

9. Given the following statement: IF (G10>50,"FAIL","PASS"), what is the result if G10 was 50?
    A. Pass
    B. Fail
    C. G10<50
    D. Empty

10. Which of the following is not wildcard character usable in query criteria?
    A. *
    B. @
    C. ?
    D. %

11. ………….. is used to track visitors on a given website?
    A. Gophers
    B. Bookmarks
    C. Cookies
    D. Webmasters

12. In HTML coding, a GRB triplet uses …………….to represent mixture variation proportions of colours Red, Green and Blue to generate all the other colours.
    A. Hexadecimal Numbering systems
    B. Binary digits (bits)
    C. Colour names
    D. Font elements tags

13. The capacity of the communication channel is called……………
    A. Gateway
    B. Bandwidth
    C. Abridge
    D. Frequency

Turn Over

14. Which of the following types of computers will you most likely use as server on complex network?
    A. Dell Desktop tower PC
    B. Main frame computer
    C. Mini Computers
    D. Micro Computers

15. ……..is not a file extension for photographic format files on computers.
    A. .jpg
    B. .png
    C. .gif
    D. .mdb

16. The word processing tool that offers similar words or alternatives is called a….
    A. Word checker
    B. Thesaurus
    C. Word scanner
    D. Spellchecker

17. The following are the basic principles of maintaining information security in an organisation except…………..
    A. Confidentiality
    B. Integrity
    C. Availability
    D. Flexibility

18. When installing system software like the OS you can partition a new hard disk during …………………..
    A. Formatting
    B. Debugging
    C. Defragging
    D. Booting

19. Which of the following cables on the network will guarantee faster data transmission?
    A. Unshielded twisted pair
    B. Shielded twisted pair
    C. Coaxial cable
    D. Fibre Optical cable

20. ……are custom screens that provide an easy way to enter and view data in a database table.
    A. Modules
    B. Forms
    C. Queries
    D. Reports

SECTION B (60 MARKS)

Attempt all questions in this section. Answers must be written in the spaces provided.

21. a)   i)   What is **network operating system**?   (02 Marks)

....

....

ii)   State **two** factors considered when setting up a computer network.

(02 Marks)

....

....

b)   Identify the following **hard disk interfaces**.   (02 Marks)

i)

....

ii)

....
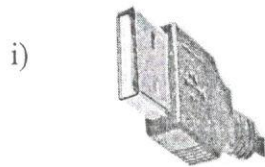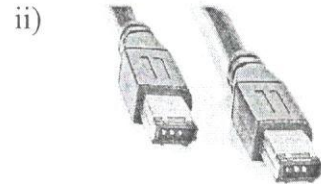
c)   State **four** reasons why hard disks are better than floppy disks as storage
media.   (04 Marks)

....

....

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....

22. a)   Define a **software suite**.   (02 Marks)

....

....

b)   List any **three** examples of software suites.   (03 Marks)

....

....

....

c)   Outline **three** advantages of **canned software**.   (03 Marks)

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Turn Over

d)   Give **two** factors that are considered when selecting a **computer program**.

(02 Marks)

....

....

....

23.   a)   What is **computer specification**?   (02 Marks)

....

....

b)   Give **three** major specifications that are considered when buying a computer.

(03 Marks)

....

....

....

c)   Explain the functions of the following internal computer components.   (03 Marks)

i)   **Power Supply Unit**

....

....

ii)   **ROM Chip**

....

....

iii)   **Cache Memory**

....

....

d)   List **two** examples of information stored in the **CMOS** of the computer.

(02 Marks)

....

....

24.   a)   Give the meaning of the following errors as used in the spreadsheet application.

(03 Marks)

i)   **#Name?** ....

ii)   **#Num!** ....

iii)   **#VALUE!**..

b)   i)   Distinguish between **a label** and **a value** as used in spread sheets. (02Marks)

....

....

ii) Give at least **one** example of each in (b) above. (02 Marks)

A Label: ....

A value: ....

c) i) What is spread **sheet software**? (01 Mark)

....

....

ii) Outline **two** areas where spreadsheets may be used. (02 Marks)

....

....

25. a) Explain the functions of each of the following communication hardware.

(03 Marks)

i) **Repeater**

....

....

ii) **Multiplexer**

....

....

iii) **Firewall**

....

....

b) State **three** advantages of emails as a means of communication. (03 Marks)

....

....

....

c) What is a **transmission media**? (01Mark)

....

....

....

d) List **three** examples of computer data transmission media. (03 Marks)

....

....

....

26. a) i) What is an **executable file**. (01 Marks)

....

....

ii) Give **two** examples of file extensions of executable files. (02 Marks)

....

....

b) List down the **four** major icons found on the computer desktop. (04 Marks)

....

....

....

....

c) Explain the meaning of the following characteristics of computers. (03 Marks)
i) **Versatility**

....

....

ii) **Artificial intelligence**

....

....

iii) **Diligence**

....

....

SECTION C (20 marks)

*Answer only **one** question from this section.*

Answers to this question must be written on the answer booklet / sheets provided.

27. a) As a student of computer studies who has been working with computers for long, explain at least five observable symptoms you can base on to conclude that a computer has been infected by a virus. (10 Marks)

b) Describe **five** measures you would put in place to safeguard computers against viruses. (10 Marks)

28. a) In the current generation, internet use has highly increased. Explain the effects that the society is facing due to the over use of the internet today. (20 Marks)

29. a) Assuming you is operating a stationary shop which deals in a lot of printing. A friend advice you to buy a printer to allow you improve on your services. Describe **five** factors you will consider before buying the printer. (10 Marks)

b) Explain **five** advantages of using a laser jet printer over dot matrix printer (10 Marks)

END