Name………………………………............... Centre/Index No. ………………/………….

Signature………………………………………….

840/1

COMPUTER STUDIES

PAPER 1

Jan. /Feb. 2023

2 hours 30 minutes

BEGINNING OF TERM ONE 2023

Uganda Certificate of Education

COMPUTER STUDIES

Paper 1

2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

Write your name, signature, centre and index number in the spaces above.

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 against each question must be written in the box provided on the right hand side of each question.

Section B contains six structured questions. Attempt any four questions.

Answer to section B answers must be written in the space provided in the question paper.

Section C contains three essay questions. Answers to section C must be written in the answer booklets provided.

For Examiner's Use only

MCQ	Q21	Q22	Q23	Q24	Q25	Q26	Q27	Q28	Q29	Total

SECTION A (20 MARKS)

1. Which of the following best describes a computer?
   A. A machine
   B. Electronic device for input
   C. Electronic device for input and processing
   D. Electronic device for input, processing and output

2. How many generations have computers undergone?
   A. One
   B. Three
   C. Four
   D. Five

3. Which of the following are categories of computers?
   A. Analog and microcomputers
   B. Digital and mini computers
   C. Analog and digital computers
   D. Mini and micro computers

4. Which of the following is not a set of computer peripherals?
   A. Hard disk and floppy diskettes
   B. Printer and modem
   C. CD-ROM and magnetic tapes and wires
   D. RAM and CPU

5. What is an operating system?
   A. A computer system
   B. A set of logical instruction directing the computer what to do.
   C. Software to produce documents
   D. A set of people operating a computing a computer system.

6. Which of the following is a group of operating system?
   A. DOS, Windows NT, Windowsc95/98 and UNIX
   B. Lotus 1-2-3, Dbase III, Ms Excel and UNIX
   C. Sort utility, merge utility and backup utility
   D. Word perfect, backup utility and DOS

7. Which of the following procedures can be used to open an existing document?
   A. Click the open button on the status bar
   B. Choose file open
   C. Double click the right column border on the worksheet frame
   D. Dragging the column border on the work sheet frame

8. You can use the mouse pointer to place the insertion point anywhere in the document when it has the shape of …………..
   A. →↗
   B. ☝
   C. |
   D. ↔

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9. Which of the following is not a method of adjusting column width in a spreadsheet?
   A. Format, column width command
   B. Edit, column width command
   C. Double clicking the right column border on the worksheet frame
   D. Dragging the column border on the worksheet frame
10. If the signals (#####) fill a cell, it means
    A. The cell is not active
    B. The formula is impossible
    C. The column is not wide enough
    D. You must recalculate the formula
11. Internet is defined as?
    A. Combination of nets inside each other
    B. Connection of a computer to a printer
    C. Source of knowledge
    D. Connection of computers within over long distances sharing resources.
12. What is WWW?
    A. World War Winners
    B. World Wine Wines
    C. World Wide Web
    D. World Wide Word processing
13. Which of the following are related to database programs?
    A. Procedures, slide view and record
    B. File, records, fields and type
    C. Record and answers
    D. Slides and data structures
14. A facility in a presentation that determines how a slide is removed from the screen and another is presented is known as;
    A. Animations
    B. Rotation
    C. Transition
    D. Slide show
15. The easiest way to create a presentation slide is by using a
    A. Animation
    B. Rotation
    C. Transition
    D. Slide show
16. A link is;
    A. Bridge
    B. Path
    C. Finger
    D. Connections
17. What is HTML in full?
    A. Hyper transfer markup language

B. Hyper text material language

C. Help to maintain line

D. Hyper text markup language

18. Artificial Intelligence is

A. The ability of computers to think and reason like humans

B. The ability of computers to do work

C. Man made brains

D. Making human brains

19. As computer technology advances the physical size of computers;

A. Also advances

B. Reduces

C. Remain normal

D. Enlarges

20. Which of the following is a characteristic of fourth generation computers?

A. Vacuum tubes

B. Transistors

C. Diodes

D. Integrated circuits.

SECTION B (60 MARKS)

Attempt any four questions

21. (a) Explain the following terms in relation to e-mail

(i) **Subject**:   (01 mark)

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(ii) **To**:   (01 mark)

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(iii) **CC**:   (01 mark)

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(iv) **BCC**:   (01 mark)

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(b) State **four** advantages of e-mail communication over ordinary mail.   (04 marks)

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(c) (i) Distinguish between **Internet** and **e-mail**   (04 marks)

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(ii) What do the following terms stand for in full

FTP   (01 mark)

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TCP   (01 mark)

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(iii) Explain briefly the FTP services   (01 mark)

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22. (a) Identify **four** tasks one can do with a computer.   (04 marks)

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(b) List any **four** requirements needed to set up a local area network (LAN). (04 marks)

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(c) State any **four** functions of an operating system.   (04 marks)

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(d) List any **three** programming languages   (03 marks)

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23. (a) (i) Identify **three** precautions a web designer should consider when designing a web page.   (04 marks)

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(ii) Why is it not good to have a lot of graphics on a web page?   (02 marks)

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(b) List **four** qualities of a good web page.   (04 marks)

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(c) Give **three** advantages of Optic fibre cable over UTP (unshielded twisted pair)
(06 marks)

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24. (a) (i) What is **an application package**? (02 marks)

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(ii) What is a **custom made package**? (02 marks)

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(b) (i) Distinguish between **custom made** and **off shelf application packages**.
(02 marks)

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(ii) State **three** advantages of off shelf packages. (03 marks)

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(iii) State **two** disadvantages of off shelf packages. (02 marks)

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(c) (i) What is **word processing**? (01 mark)

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(ii) List **three** word processing application packages. (03 marks)

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25. (a) (i) What is **a virus**? (01 mark)

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(ii) Outline the **four** common ways in which viruses are spread. (04 marks)

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(b) State **four** ways used to protect your computer against viruses. (04 marks)

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(c) Name any **three** virus scanning software. (03 marks)

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(ii) List any **three** symptoms of computers with a virus (03 marks)

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26. (a) State **four** major characteristics of the third generation computers. (04 marks)

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(b) What do you understand by the following terms?
(i) **Command line interface** (02 marks)

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(ii) **Graphical user interface** (02 marks)

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(iii) **Mechanical computers** (02 marks)

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(c) Give **two** examples of operating systems with the following
(i) **Command line interface** (02 marks)

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(ii) Give **two** examples of electro- mechanical computers. (02 marks)

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SECTION C (20 MARKS)
Attempt any one question in this section

27. "A world with computer is no world at all". Discuss. (20 marks)
28. What are the merits and demerits of learning using Internet over using textbook learning? (20 marks)
29. Juma, a village boy exclaimed!, " Spread sheet programs are useless" As a computer student of computer studies convince him otherwise.