

Name:

Index No: Signature:

840/1

Computer Studies

INTERNAL MOCK EXAMINATION – 2019

UGANDA CERTIFICATE OF EDUCATION

Computer Studies

Paper 1

2 ½ Hours

INSTRUCTIONS:

1. Write your name on the space provided
2. This paper is made up of three **A,B** and **C** respectively
3. **Section A** contains **20 compulsory** circle the answer of your choice.
4. **Section B** contains structured questions. Answer **ALL** from the space provided
5. **Section C** contains **three** essay questions. Answer only **one** question.

SECTION A: (20 Marks)

1. What is computer hardware?

- a. An electronic device that instructs all data.
- b. The tangible parts of the computer
- c. Instructions that command a computer to work
- d. None of the above

2. What are the two major parts of a computer?

- a. Windows and Linux
- b. Hardware and Software
- c. Applications software and Hardware
- d. DOS and PC

3. This is short for ICT

- a. Information Technology
- b. Information Contaned Technology
- c. Information Communication Technology
- d. It Consult Technology

4. These are three computer users

- a. CAT5 , GIGO and CU
- b. Data clerks, Computer technicians, Secretaries
- c. Memory, Microchip and CMOS
- d. CPU, ALU and CU

5. These are advantages of IT except

- a. Very fast
- b. Very accurate
- c. Very slow
- d. Very reliable

6. This is short for Garbage In Garbage Out

- a. SRDAM and ROM
- b. GIIGO
- c. GIDO
- d. GIGO

7. What is software?

- a. These are instructions that help us to use the hardware
- b. High speed memory that stores frequently used instructions

- c. Low speed memory which is connected to the CPU
- d. Memory which is Read/Write

8. These are characteristics of computers except.

- a. They are not versatile
- b. They are flexible
- c. They are fast
- d. They were reliable

9. These are limitations of ICT

- a. Highly efficient
- b. No power no work
- c. Versatile
- d. None of the above

10. These are categories of hardware

- a. Input
- b. Output
- c. Processing
- d. All the above

11. Information is

- a. Data processed with meaning
- b. Information of data processed
- c. Raw facts of an event
- d. None of the above

12. There are two types of Printers

- a. Single and black printers
- b. Multi-color and Single color printers
- c. Led Printers and solar printers
- d. None of the above

13. These are characteristics of computers except.....

- a. Dormant
- b. Storage
- c. Speed
- d. Diligence

14. Which of the following is more necessary for running an application software

- a. Operating system
- b. Utility
- c. Defragmenter
- d. GUI

15. The CPU of microcomputer system is technically a

- a. Control Processing Unit
- b. Logic circuit
- c. Micro processor
- d. None of the above

16. These are two types of memory;

- a. RAM and ROME
- b. RAM and REEM
- c. RAM and ROM
- d. ROMAN and RAM

17. These devices produce soft copy output

- a. Printers and plotters
- b. Microcomputers and Speakers
- c. Speakers and Projectors
- d. Monitors and Plasma printers

18. This is not a ICT related device

- a. Pliers
- b. Iphone
- c. Tab 4
- d. Smart phone

19. These are examples of input hardware devices

- a. Mouse and Keyboard
- b. Scanner and printer
- c. Screen and Monitor
- d. CPU and ALU

20. This is a preliminary working version of a software product for demonstration and evaluation by end users

- a. Demo version

- b. Release
- c. Version
- d. System sample

SECTION B (60 MARKS)

Answer all the questions in this section in the provided.

21a) Define a **device driver**. (2marks)

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b) Give **two** devices that may require the installation of a device driver (2marks)

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c) Distinguish between **System** and **Application software**. (2marks)

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d) Name **four** functions that are normally carried out by the operating system. (4marks)

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21. The table below shows a sample Microsoft access table

Index No	Candidate Name	Sex	Date of Birth	House	Fees paid
U1147/001	Pauline K	Female	2/4/1990	Muteesa	230000
U1147/002	Mary J	Female	3/4/1995	Ssuuna	450000
U1147/003	Bbosa B	Male	14/6/1998	Muteesa	500000
U1147/004	Fraser C	Female	7/8/1994	Chwa	700000
U1147/005	Bob K	Male	20/5/1999	Ssuuna	340000

- a) i) Write down the field which can be used as the primary Key. (3marks)

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- ii) Mention the field names on the table above. (3marks)

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- iii) Supposing another row was added and a user entered the index no of U1147/005 again what would happen? (2marks)

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- b) Mention the data types for all the fields on the table. (2marks)

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23a) In relation to computers, explain the meaning of the following terms

- i) **Server** (2marks)

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- ii) **Client** (2marks)

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- b) i) Outline **five** advantages of depending on computers networks. (2marks)

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ii) Write the acronym MODEM in full (1mark)

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24. a) Differentiate between **the internet** and **world wide web** (2marks)

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b) Demonstrate **two** dangers posed by the internet in your community. (2marks)

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c) Write the following in full in relation to computers (4marks)

FTP.....

HTTP.....

NIC.....

IP.....

d) State **two** measures that can be taken to ensure that computers are kept safe; (2marks)

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25a) Explain the meaning of the following computer terms (6marks)

Booting:

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Computer generation:

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Computer programming:.....

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RAM:.....

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b) Explain **three** principles on which a computer generation is built. (6marks)

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26. Supposing a programmer is going to use a high level language to write a program.

a) State **two** advantages of using high level language over a low level language. (2marks)

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b) Differentiate between **a compiler** and **an assembler**. (1 mark)

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c) Give **one** advantage of using machine language over high level language. (1mark)

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d) Briefly explain the meaning of the following programming phrases. (6marks)

Debugging:

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Compiling:

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Execution:

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26a) Distinguish between **a header** and **a footer**. (1mark)

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b) Give **three** word processing software features. (3marks)

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c) State the processing features of the following functions. (2marks)

i) Copying text

ii) Spell checking the document

d) State the meaning of the following mail merge files: (2marks)

i) Primary file:

ii) Secondary file:

e) List **two** electronic document formatting features: (2marks)

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SECTION C (20 MARKS)

Answer only **one** question from this section. Answers to this question must be done on the answer booklet/sheets provided.

- 27a) Define **a computer virus**? (2marks)
- b) Explain **five** types of viruses. (10marks)
- c) Explain **four** computer viral transmission media. (8marks)
- 28.a) Explain any **six** components of a computer system case. (12marks)
- b) Briefly explain **two** input and two output devices connected to the system case. (8marks)
- 29a) Explain any **five** end-user office application programs available on the market today. (10marks)
- b) Explain **five** factors you consider when choosing a software program. (10marks)

END