Name: ……..……

Index No: …… Signature: ……

840/1
Computer Studies

INTERNAL MOCK EXAMINATION – 2017

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) Sate 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