NAME...

Combination				Personal №		

S850/1
Subsidiary ICT
Paper 1
July. / Aug. 2022
2 ½ hours

MATIGO MOCK EXAMINATIONS 2022

Uganda Advanced Certificate of Examinations

SUBSIDIARY ICT

THEORY

Paper 1

2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

Attempt **all** *questions in this paper*

The paper is made up of 20 equally structured questions each carrying 5 marks

Write your answers in the spaces provided.

No additional materials (answer sheets) are provided

For Examiners' Use Only

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

1. (a) Differentiate between **CMOS battery** and a **CMOS chip**. *(2 marks)*

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(b) Identify t**hree** teaching aids commonly used in computer laboratories today to aid learning. *(3 marks)*

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2. (i) Differentiate between **software update** and **software upgrade**. *(2 marks)*

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(ii) List down any **three** examples of web authoring software. *(4 marks)*

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3. Write the following acronyms in full as used in Information and Communication technology. *(5 marks)*

(i) UTP

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(ii) WIFI

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(iii) SQL

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(IV) DTP

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(V) PPM

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4. (a) State the role of the following special memories in the operations of a computer.

(3 marks)

(i)   Buffer

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(ii)   Cache memory

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(iii) Registers

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(b)Identify **two** examples of fixed storage devices with in the system unit   *(2 marks)*

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5. (a)Mention the **two** major types of display devices.   *(2 marks)*

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(b) Explain the following terms related to display devices.   *(3 marks)*

i. Refresh rate

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ii. Pixels

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iii. Resolution

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6. (a) Differentiate between **system software** and **application software**   *(2 marks)*

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(b) Identify the programs used in the performing of the following tasks.

(3 marks)

(i)   Designing of publications like flyers

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(ii)   Preparing of staff payroll

………………………………………………………………………………

(iii)   Making of a weekly report to your immediate supervisor.

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7. Indicate true or false against each of the statement below in a table.   *(5 marks)*

Statement	True/False
A text in a worksheet is right aligned	
Syntax are the grammatical rules for writing of a program	
A bug is an error in a computer program	
A virus is a malware	
A screen saver is an application software	

8. (a) i). Define an **extranet form** of network.   *(1mark)*

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ii). Mention **four** advantages of an intranet form of network.   *(4 marks)*

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9.   (a) Differentiate between **guided** and **un guided** transmission media.   *(2 marks)*

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(b) Mention **three** factors that affect the performance of the data transmission media.

(3 marks)

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10. (a) Differentiate between **Unicast** and **Multicast** in relation to wireless transmission media. *(2 marks)*

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(b). State **two** examples wireless transmission media *(2 marks)*

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(c) Mention the commonly used connector for the category 6 cables in networking. *(1 mark)*

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11. (a). Differentiate between **Database** and a **Data Base Management** System. (DBMS) *(2 marks)*

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(b). State **one** examples of a **database** and two examples of a **DBMS**.

(3 marks)

Data base

(i)……………………………………………………………………………………………
Data Base Management System

(i)……………………………………………………………………………………………

(ii)……………………………………………………………………………………………

12.   (a). Distinguish between **Data integrity** and **Data redundancy**.   *(2 marks)*

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(b). Identify **three** advantages of managing databases in an organization.   *(3 marks)*

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13.   Sserubamba wants to start up his computer from the wall socket. State the step-by-
       step process his computer will take in order to show up the desktop.   *(5 marks)*

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14. (a) State any **three** self employment opportunities related to ICT where you can be engaged during vacation. *(3 marks)*

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(b) Mention any **two** roles of a webmaster. *(2 marks)*

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15. (a) Briefly explain the concept of **virtual reality.** *(1 mark)*

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(b). Identify at least **one** innovation in each of the following areas. *(4 marks)*

(i) Hardware

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(ii) Software

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(iii) Communication

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(iv) Security

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16. (a) Differentiate between **relative** referencing and **absolute** referencing. *(2 marks)*

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(b) Illustrate using cell range: **A1:B10** how the following cell referencing can be done during data manipulation using Spread sheet.   *(3 marks)*

(i) Absolute referencing

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(ii) Relative referencing

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(iii) Mixed referencing

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17. Identify **five** activities involved in the servicing of computers.   *(5 marks)*

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18. (a) Define the following terms related computer crimes.   *(3 marks)*

   i.   Spoofing

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        …………………………………………………………………………………………

   ii.   Cracking:

        …………………………………………………………………………………………

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   iii. Software Piracy:

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(b). Differentiate between **cyber crime** and a **computer crime** in relation to system security.   *(2 marks)*

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19. (a).Differentiate between **green computing** and **cloud computing**.   *(2 marks)*

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(b).State any **three** advantages of cloud computing practices.   *(3 marks)*

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20. Briefly explain the following terms in relation to computer management.   *(5 marks)*

(a) Boot drive

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(b) Boot sequence

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(c) Boot loader

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(d) BIOS

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(e) ROMBIOS

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