

Name: Personal Number.....

Signature.....

S850/1

SUBSIDIARY ICT

PAPER 1

2½ hours

MASAKA DIOCESE EXAMINATIONS BOARD

Uganda Advanced Certificate of Education

SUBSIDIARY ICT

Paper 1

2hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

- *The paper is made up of 20 equally weighted questions.*
- *Answer all questions in this paper.*
- *All answers should be written in dark blue or black ink in the spaces provided on the question paper.*
- *No additional answer sheets should be inserted.*

For examiner's 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) **Define** the following terms

i) Computer literacy (01mk)

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ii) Digital divide. (01mk)

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b) Mention the **importance** of the following computing components.

i) System clock (01mk)

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ii) Expansion slots (01mk)

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iii) Ports (01mk)

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2 a) How can the following be **achieved** under secure computer laboratory environment

i) Protection against fire (01mk)

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ii) Stable power supply (01mk)

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iii) Good lighting

(01mk)

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b) Suggest **two** measures that can be undertaken to protect users from injury in the computer laboratory
(02mks)

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3 a) Write down **two** factors to consider when undertaking computer maintenance/servicing.(02mks)

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b) State the **benefit** of the following computer servicing activities.

i) Emptying the recycle bin

(01mk)

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ii) Upgrading software

(01mk)

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iii) Activating firewall

(01mk)

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4 a) Define the term **information technology**

(01mk)

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b) Write down two **advantages** and two **disadvantages** of using information technology in education.

Advantages (02mks)

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Disadvantages (02mks)

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5 a) Suggest **two** rules to be followed when naming files. (02mks)

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b) Write down the **procedure** you would follow to compress a file. (03mks)

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6) Write the following **abbreviations** in full (01mk @)

- i) EULA
- ii) NIC
- iii) GUI
- iv) ALU
- v) EFT

7 a) Define the term **hardware**

(01mk)

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b) **Complete** the table below basing on computer hardware categories and their functions. (01mk @)

Hardware Category	Function
Processing hardware	
Output hardware	
Communication hardware	
Storage hardware	

8 a) Use the terms given below to complete the gaps from a – e

Disk cleaner

Disk defragmenter

Bug

File compressor

Device drivers

Syntax

Debugger

- i) Ais an error in a program that causes it not to run.
- ii) Aprovides an interface between a peripheral and a computer
- iii) Areduces the size of files to free up storage space
- iv) Aenables faster access to data and programs
- v)removes temporary files from the computer

9 a) State **three application** areas of multimedia

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b) Outline **two measures** that can be undertaken to protect software on computers. (02mks)

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10 a) Explain the following **elements** of data communication

i) Protocol (01mk)

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ii) Transmission medium (01mk)

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iii) Message (01mk)

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b) Outline **two** wireless platforms that rely on wireless transmission media. (02mks)

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11 a) For each of the following items, **TICK** to indicate whether it is a search engine or a web browser (01 mk)

Element	Search engine	Web browser
Opera		
Excite		
Mosaic		
Yahoo		
Dog pile		

12 a) What does the **term** website mean? (01mk)

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b) Differentiate between a **WIKI** and a **social network website** giving an example for each. (04mks)

Difference (02mks)

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Example of a wiki (01mk)

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Example of social network (01mk)

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13) Write down **five** ways of preventing access to information on the internet. (05mks)

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14 a) How does data security differ from data corruption? (02mks)

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b) Suggest any **three** software based methods that can be undertaken to protect against computer crimes. (02mks)

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15. Clearly state **five** reasons as to why a computer may slow down. (05mks)

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16 a) List down **three** kinds of documents that can be produced using word processor (03mks)

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b) Mention **two** word processing typing modes. (02mks)

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17 a) Differentiate between a **formula** and a **function** as used in spreadsheets (02mks)

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b) Identify the following spreadsheet **elements/features** as used below.

i) $\$H\$2:\$H\8 (01mk)

ii) $=\text{MEDIAN}(A2:A6)$ (01mk)

iii) $=B1+B2$(01mk)

18 Mention the importance of each of the following electronic presentation elements.

i) Action buttons (01mk)

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ii) Handouts (01mk)

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iii) Rehearse timing (01mk)

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iv) Transition loop (01mk)

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19 a) What is a data type as used in databases? (01mk)

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b) You are required to provide a data type or an example of a data type to complete the table below as used in databases. (04mks)

Data type	Example
	Shs. 10,000
Date/Time	
	Comment/Remarks
Boolean	

20 a) What does the abbreviation **DTP** stand for? (01mk)

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b) State two DTP **applications**. (02mks)

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c) List down two **documents** produced using DTP applications. (02mks)

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END