

NAME: SIGN:

S850/1

SUBSIDIARY ICT

PAPER 1

2 hours

AUGUST 2023

BBAALE SECONDARY SCHOOL KIRA

END OF TERM II EXAMINATIONS 2023

UGANDA ADVANCED CERTIFICATE OF EDUCATION

SUBSIDIARY ICT

PAPER 1

(APPLICATION OF ICT KNOWLEDGE)

2 hours

Instructions to candidates:

- ✓ Attempt all questions in this paper
- ✓ Write in dark blue or black pen in the spaces provided on the question paper.

FOR EXAMINER'S USE ONLY		
QUESTION(S)	MARKS	INITIALS
1-2		
3-4		
5-6		
7-8		
9-10		
11		
TOTAL		

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Attempt all questions in this paper

Number 1:

(a) Explain the concept of **digital divide**.

(2 marks)

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(b) Give at least **three** reasons as to why there is slow adoption of technology in your country.

(3 marks)

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Number 2:

The table below summarizes the specifications of a certain computer. Use it to answer the questions that follow.

Processor	4 th Gen Intel ® core ™ i7 quad core 3.4 GHZ, 8 MB shared cache
Operating system	Windows 8.1 64 bit
Memory	16 GB DDR3 – 1600 MHZ
Hard drive	2TB 7200 RPM SATA
Graphics	2GB AMD Radeon R7 240 (DVI, HDMI & DVI to VGA)
screen	23 “LED Display”

a) Identify the processing speed of the above computer.

(1 mark)

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b) What do you understand by the term “**8MB shared cache**”?

(1 mark)

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c) Write “**SATA**” in full.

(1 mark)

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d) What is the least significant specification from the above given specifications? Give a reason for your answer.

(2 marks)

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Number 3:

Namukose last used her desktop computer about 2 weeks ago. Yesterday she wanted to use it to typeset an application letter for a new job opportunity. She however realized that the keyboard was not responding.

- a) Give any **two** possible causes of the above problem. (2 marks)

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- b) Suggest any **three** ways in which Namukose can solve the above problem. (3 marks)

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Number 4:

- a) What are utility programs? (2 marks)

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- b) State any **three** examples of utility programs. (3 marks)

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Number 5:

- a) While working on his computer, Jonathan accidentally deleted a folder containing his personal files. Briefly describe how he can recover the folder. (3 marks)

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- b) How is a **file path** different from a **path delimiter**? (2 marks)

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Number 6:

- a) What are peripheral devices? (2 marks)

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- b) Outline any three examples of peripheral devices that can be connected to the computer system unit. (3 marks)

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Number 7:

- a) How many bytes are in the following words? (2marks)
- (i) Ergonomics

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- (ii) M.I.P.S

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- b) Esther wishes to transfer 4.7 GB of data from her computer to CD's. If each CD has a capacity of 700 MBs. Determine the number of CDs she will need so as to transfer all her data. (3 marks)

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Number 8:

Name the devices that can be used to perform the following functions. (5 marks)

- a) Read information stored on products in supermarkets

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- b) Mark objective-type questions

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- c) Reads text typed with magnetized ink

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- d) Reads type written, computer-printed or hand written characters from ordinary documents

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- e) Used by the blind to issue commands to the computer

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Number 9:

- a) What is meant by packaged software? (1 marks)

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b) Distinguish between the following terms as used in computer software.

(i) Freeware and shareware

(2 marks)

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(ii) Software update and software upgrade

(2 marks)

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Number 10:

a) Explain the concept of “**Syntax**” of a programming language.

(2 marks)

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b) Given the information below, fill in the blank spaces with the most appropriate answer

(3 marks)

Compilers Debuggers Interpreters Linkers Assemblers

(i) Translates the source code into machine code line by line while the program is running

(ii) these combine compiled programs and determine where the program will be located in memory

(iii) A program that translates the whole source code into machine code all at once is known as

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Number 11:

a) What is a **product key** as used in computer software?

(1 mark)

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b) Explain any **three** system requirements that **must** be considered before installation of any program on a computer.

(3 marks)

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c) Write EULA in full.

(1 mark)

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END