

Candidate's Name:

Signature:.....

Random No.					Personal No.		

(Do not write your School/Centre Name or Number anywhere on this booklet.)

S850/1
SUBSIDIARY ICT
Paper 1
(Theory)
Nov./Dec. 2024
2½ hours



UGANDA NATIONAL EXAMINATIONS BOARD

Uganda Advanced Certificate of Education

SUBSIDIARY INFORMATION AND COMMUNICATIONS TECHNOLOGY

Paper 1
(Theory)

2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

*This paper consists of **twenty** questions.*

*Answer **all** the questions in this paper.*

*All the answers should be written in **blue** or **black** ink in the spaces provided.*

Questions	For Examiners' Use Only	
	Marks	Initials
1 – 2		
3 – 4		
5 – 6		
7 – 8		
9 – 10		
11 – 12		
13 – 14		
15 – 16		
17 – 18		
19 – 20		
Total		

Answer **all** questions in this paper.

1. (a) Differentiate between **data** and **information**.

(02 marks)

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.....

(b) For each of the items in the table below, indicate whether it is **data** or **information**. (03 marks)

Item	Data/ information
(i) Family budget	
(ii) Students' test scores in various subjects in a mid-term test	
(iii) Performance analysis graphs	

2. (a) Name the **two** print orientations for a document.

(02 marks)

- (i)
- (ii)

(b) Identify **three** possible causes of a printer failing to print a document. (03 marks)

- (i)
-
- (ii)
-
- (iii)
-

3. (a) Give **two** functions of arrow keys on a keyboard. (02 marks)

(i)

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(ii)

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(b) State the type of data input by the following devices. (03 marks)

(i) Scanner

(ii) Keyboard

(iii) Microphone

4. (a) Explain why the **Shut Down** option is used when turning off a computer system. (02 marks)

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(b) Describe how the **Restart** option of the Shut Down menu functions. (02 marks)

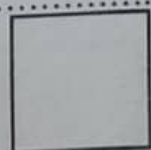
.....

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(c) Give the advantage of switching the computer into the **Sleep mode**. (01 mark)

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Turn Over

5. (a) Distinguish between multi-user and multitasking operating systems software. (02 marks)

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- (b) State **three** examples of Multi-user operating systems. (03 marks)

- (i)
- (ii)
- (iii)

6. (a) Give any **three** requirements for connecting a computer to the Internet. (03 marks)

- (i)
-
-
- (ii)
-
-
- (iii)
-
-

- (b) Outline **two** disadvantages of using the Internet. (02 marks)

- (i)
- (ii)

7. (a) Explain how the following network models operate:

(i) **Peer to peer.**

(02 marks)

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.....

.....

(ii) **Client server.**

(02 marks)

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(b) Suggest **one** device that uses the simplex mode of communication.

(01 mark)

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8. (a) What is an ICT innovation?

(02 marks)

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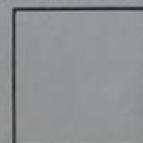
(b) Suggest any **two** areas where ICT innovation is applied. (02 marks)

(i)

(ii)

(c) Give **one** example of an ICT innovation in one of the areas you have suggested in (b). (01 mark)

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9. (a) Describe the use of each of the following tools in presentation software.

(i) **Place holder.**

(02 marks)

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(ii) **Animation.**

(02 marks)

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(b) State **one** area where electronic presentation may be utilised. (01 mark)

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10. (a) Define the term **Green Computing**.

(02 marks)

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(b) Outline any **three** ways of implementing green computing. (03 marks)

(i)

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(ii)

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(iii)

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11. The following table shows files which have been saved on a flash disk.

File Name	File Extension	Size (MB)	Date Modified
Alululu	.mp3	50	23/04/2018
Aleluya	.jpeg	145	04/05/2018
Twist	.xls	05	13/05/2018

The space unused on the flash disk is 0.3 GB.

- (a) Give the possible content of the file that was modified on 04/05/2018.
(01 mark)

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- (b) Calculate the maximum capacity in MBs of the flash disk. (02 marks)

.....

- (c) Suggest **two** ways that can be used to create more space on this flash disk.
(02 marks)

(i)

.....

(ii)

.....

12. (a) Outline **two** advantages of primary storage over secondary storage devices.
(02 marks)

(i)

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(ii)

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(b) Give any **two** types of secondary storage devices and **one** example of primary storage devices.

(i) Secondary storage devices.

(02 marks)

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(i) Primary storage device.

(01 mark)

.....

.....



13. (a) A software that is distributed at no monetary cost at all is referred to as
(01 mark)

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(b) Suggest **two** ways in which each of the following parties benefits from the shareware software.

(i) Enduser.

(02 marks)

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(ii) Shareware software developer.

(02 marks)

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14. (a) State any two factors considered when selecting data communication media. (02 marks)

(i)

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(ii)

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(b) Explain bluetooth transmission medium in data communication. (02 marks)

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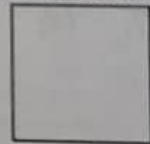
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(c) Give an example of a network device that converts analog to digital signals and vice versa. (01 mark)

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15. (a) Suggest any two job opportunities for a candidate who has done ICT as a subject. (02 marks)

(i)

(ii)

(b) Write the symbols used for the following intellectual property rights. (03 marks)

(i) Copyright.

(ii) TradeMark.

(iii) Patent.

16. Select from the given list an appropriate term and fill it in the blank spaces provided for (a) to (e).

LAN, Hacking, Virus, Mouse, Firewall, Video Conferencing.

- (a) A tool that enables people in different geographical regions to hold a meeting online is (01 mark)
- (b) A malicious program that disorganises the normal working of a computer is called a (01 mark)
- (c) Computers linked together in a small geographical boundary form a (01 mark)
- (d) A computer crime that may result in loss of data and information is referred to as (01 mark)
- (e) A network security system that controls incoming and outgoing traffic is called (01 mark)



17. (a) Explain the purpose of an address bus in a computer. (02 marks)

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- (b) State **one** function of a processor. (01 mark)

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(c) List any **two** components of processors. (02 marks)

(i)

(ii)

18. (a) (i) What is a Search Engine? (02 marks)

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(ii) Name **one** example of a Search Engine. (01 mark)

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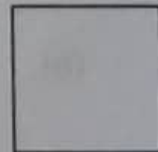
(b) State the importance of the following signs in searching for a website. (01 mark)

(i) Plus (+) sign.

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(ii) Double quotation marks (" "). (01 mark)

.....



19. Select appropriate terms from the list below and complete the statements (a) to (d).

- | | | |
|---------------|-------------|---------------------|
| - Interpreter | - DOS | - Compiler |
| - NOS | - Buffering | - Disk defragmenter |
| - WinZip | - PASCAL | |

(a) An example of an operating system with a command line interface is

(01 mark)

(b) One of the memory management functions of the Operating System

Software is (01 mark)

(c) The **two** examples of a language processor are (02 marks)

(i)

(ii)

(d) A tool that can be used to compress files is (01 mark)

20. (a) List **three** features that make desktop publishing software ideal for specialised publications. (03 marks)

(i)

(ii)

(iii)

(b) Give **two** outputs of desktop publishing software. (02 marks)

(i)

(ii)

