

Candidate's name.....

Signature

Personal Number

S850/1
Subsidiary Information
and Communication
Technology
Paper 1
Jul./Aug.2023
2¹/₂ hours

RESOURCEFUL MOCK 2023

Uganda Advanced Certificate of Education

SUBSIDIARY ICT

Paper 1

2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

*This paper is made up of **twenty** equally weighted questions*

*Answer **all** questions in this paper*

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

Questions	For Examiners's 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		

1. Read the following information below and answer the questions that follow.

View basic information about your computer


Windows edition

Windows 10 Pro
© 2017 Microsoft Corporation. All rights reserved.

System

Processor:	Intel(R) Core(TM) i5-7500 CPU @ 3.40GHz 3.41 GHz
Installed memory (RAM):	4.00 GB (3.89 GB usable)
System type:	64-bit Operating System, x64-based processor
Pen and Touch:	No Pen or Touch Input is available for this Display

Support Information



- (a) Name **two** computer specifications one may consider when buying a new computer listed above? (02 marks)
- (i)
- (ii)
- (b) Write down the procedures you would follow to display the above information on your computer. (03 marks)

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2. (a) Give any **two** ways to protect a computer from electrical damage. (02 marks)
- (i)
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- (ii)
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- (b) Suggest any **two** measures you would take to prevent loss and/or damage of data in computers. (02 marks)
- (i)
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- (ii)
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- (c) Give **one** reason why computers should be serviced. (01 mark)
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3. (a) Explain the term **Icon** as used in computers. (02 marks)
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- (b) Identify **two** limitations of using the desktop as a sole file storage location/directory. (02 marks)
- (i)
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- (ii)
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- (c) Suggest **one** reason for compressing folders in the computer. (01 mark)

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4. (a) A stationary pointing device with a ball mechanism on its top that the user rolls to direct and control the movement of the pointer screen is called (01 mark)

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- (b) Name **two** devices that serve as both input and output devices. (02 marks)

(i)

(ii)

- (c) What device can be used to capture information shown in the picture below?



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5. Give examples of software under the following categories:

- (a) System utility. (02 marks)

Examples; (i)

(ii)

- (b) Operating Systems; (02 marks)

Examples; (i)

(ii)

- (c) Programing Languages. (01 mark)

Example.....

6. (a) Define the term **Digital Literacy**? (02 marks)

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(b) Suggest **three** ways of improving of digital literacy skills in your community. (03 marks)

(i)

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(ii)

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7. (a) What is meant by the term **Netiquette**? (02 marks)

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(b) State **two** netiquette rules that must be followed while online (02 marks)

(i)

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(ii)

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(c) Mention **one** factor affecting the speed of an internet connection. (01 mark)

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8. (a) Write **WLAN** in full. (01 mark)

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(b) Explain the following network models:

(i) **Client-server.**

(02 marks)

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(ii) **Peer-to-Peer.**

(02 marks)

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9. (a) Distinguish between an **interpreter** and a **compiler**?

(02 marks)

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(b) Explain the meaning of the following terms as used in programming.

(03 marks)

(i) **Program syntax**

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(ii) **Source code**

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(iii) **Debugging**

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10. The screen below shows a database object.

The screenshot shows a web-based form titled "Student's Bio Data". The form contains the following fields:

Reg-Number	<input type="text" value="RGN020"/>	Date of Birth	<input type="text" value="28-Dec-1990"/>
Student's Name	<input type="text" value="Lwaliwa Halid"/>	UCE Results	<input type="text" value="12"/>
Teacher's Remarks	<input type="text" value="He has the potential of performing better"/>		

(a) Name the database object shown. (01 mark)

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(b) Identify the field which would serve as a primary key. (01 mark)

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(c) Assign appropriate data types for the following fields. (03 marks)

(i) **UCE Results:**

(ii) **Teacher's Remarks:**.....

(iii) **Reg-Number:**.....

11. (a) What is meant by the term **secondary storage media**? (02 marks)

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(b) Name **three** examples of solid state storage media. (03 marks)

(i)

(ii)

(iii)

12. Write **TRUE** or **FALSE** against statement from (a) to (e) in the table below.

(05 marks)

	STATEMENT	TRUE/FALSE
(a)	File compression reduces the size of the file/ folder on the disk	
(b)	Uninstaller removes a word document file from the computer system.	
(c)	Disk partitioners compile technical information about hardware and software.	
(d)	Disk scanner detects and corrects problems on hard disk.	
(e)	Anti-virus utilities protect the physical access to the computer.	

13. (a) What is meant by a **Blind Carbon Copy**? (02 marks)

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(b) Give **two** advantages of email over ordinary post (02 marks)

(i)

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(ii)

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- (c) Name **one** example of an e-mail service provider. (01 mark)

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14. (a) What is a **cybercrime**? (02 marks)

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- (b) Outline any **two** examples of cyber-crimes that you know? (02 marks)

(i)

(ii)

- (c) Suggest **one** measure of protecting against the above mentioned cybercrime in (b) above. (01 mark)

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15. The table below shows results from an ICT class extracted from a spreadsheet application. Use it to answer questions (a) to (c).

	A	B	C	D	E	F
1	No.	Name	Assignment	Test	Examination	Average
2	1	Peter	56	74	89	
3	2	Lindah	82	45	85	
4	3	Rayyam	100	95	90	
5	4	Josephine	50	90	65	
6	5	Musa	60	57	80	
7	6	Amina	38	77	62	#####

- (a) Write the function that can be used to determine the average score for Peter. (01 mark)

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(b) Give **one** reasons why cell **F7** appears as shown above in the worksheet? (01 mark)

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(c) How would your rectify the error in cell **F7** as shown above? (01 mark)

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(d) What function would you use to position the students? (01 mark)

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(e) Name the file extension commonly associated with files created by Microsoft Excel? (01 mark)

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16. (a) Define the term **software package /suite**. (02 marks)

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(b) (i) Give **one** example of a software package /suite. (01 mark)

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(ii) List any **two** components of your example in (b) (i). (02 marks)

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17. (a) Name any **two** network communication devices. (02 marks)

(i)

(ii)

(b) Give **two** advantages of **fibre optic cables** over twisted pair cables. (02 marks)

(i)

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(ii)

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(c) Identify **one** example of a wireless transmission media. (01 mark)

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18. (a) Define the term **Cloud storage**? (02 marks)

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(b) Give **two** advantages of using Cloud storage. (02 marks)

(i)

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(ii)

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(c) Name **one** application that provides cloud storage services to the public (01 mark)

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19. (a) What is **Computer Simulation**? (02 marks)

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(b) Explain **three** negative implications of emerging technologies. (03 marks)

(i)
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(ii)
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(iii)
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20. (a) Define the term **Cache Memory**? (02 marks)

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(b) Explain the function of the following parts of the central processing unit?

(i) **Control Unit.** (01 mark)

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(ii) **Arithmetic Logic Unit.** (01 mark)

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(iii) **Registers.** (01 mark)

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END