

NAME: PERSONAL NO

Signature.

S850/1

Subsidiary Information and

Communication

Technology

Paper one

Jul/Aug 2017

2 ½ hours

RESOURCEFUL MOCK 2017

Uganda Advanced Certificate of Education

SUBSIDIARY ICT

Paper 1

2 Hours 30 Minutes

INSTRUCTIONS TO CANDIDATES

- *This paper is made up 20 compulsory and equally weighted questions.*
- *Attempt **all** questions in this paper.*
- *Write all your responses in blue or black ink in the spaces provided.*
- *All answers should be written in the spaces provided.*
- *Any additional material will not be marked.*

FOR OFFICIAL USE ONLY

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

1. When writing an **email** contacts can be added from your **address book** or **contact list** of their **email address** can be typed out.

a) Give **two** reasons why adding a contact is better than typing out their address. *(02 Marks)*

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.....

b) Suggest the role of the following;

forward *(01Mark)*

.....

Spam box *(01Mark)*

.....

Signature *(01Mark)*

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2. A **network** is a collection of computers, servers, mainframes, network devices, peripherals, or other devices connected to one another to allow the **sharing of data**.

a) Suggest the use of the following **network devices**. *(02 Marks)*

Network interface card

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Firewall

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.....

b) Differentiate between a **LAN** and **WAN** *(01Mark)*

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.....

c) State **two** reasons why your friends should be cautious when using networks. *(02 Marks)*

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3. a) What is **data security**? *(01Mark)*

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b) Identify **three** major **threats** to computer hardware. *(03 Marks)*

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c) Suggest **one** solution to the threats above. *(01Mark)*

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4. a) What is a **computer laboratory**? *(01Mark)*

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b) Mention one **safety risk** that users may be exposed to while using the computer laboratory. *(01Mark)*

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c) Suggest **two solutions** to the risk mentioned above? *(02 Marks)*

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d) Of what importance is a proper **laboratory layout**? *(01Mark)*

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5. a) What are the **two** differences between **solid state storage** and **Magnetic storage**? *(02 Marks)*

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b) Computers are delicate devices that require a stable **source of power**. Mention two **hardware components** of the system unit can be damaged by power. *(02 Marks)*

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c) How can you protect the above **hardware** components from power failure? *(01Mark)*

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6. The risk of picking up a **computer virus** into your computer can be reduced by installing a special piece of software.

a) Give the name of the **software** that can be used to check for viruses and also remove them. *(01 Mark)*

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b) Suggest **two** ways computer virus spreads. *(02 Marks)*

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c) Suggest **two** actions that can be taken, other than using **software**, to prevent viruses from entering your computer system. (02 Marks)

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7. Given a URL: <https://www.olympus.sc.ug/academics/ict/theory/hardware.html> Use it to answer the following questions.

a) Write the following abbreviation in full. (01Mark)

UBL

.....

b) State the **directory** in which the file is kept. (02 Marks)

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.....

c) Identify the **top most domain** and what it stands for. (01Mark)

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d) What is a **file path**? (01 Mark)

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8. Study the diagrams below and answer the following questions.

Component X	Component Y	Component Z
		
Component Q	Component P	
		

a). Identify the items: *(03 Marks)*

P:

.....

X:

.....

Q:

.....

b). Suggest one function of component labelled **Z**. *(01Mark)*

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c). Give **one** advantages of using component **Y** over a keyboard. *(01 Mark)*

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9. a) **Windows 10** is the latest operating system that was released by **Microsoft**. Currently, you laptop uses **windows 7** and you want to upgrade to **windows 10**. Suggest three factors to should consider. *(03 Marks)*

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.....

b) State any **two** major desktop **icons** on a windows **graphical user interface, GUI?** *(02 Marks)*

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10. a) Differentiate between the following terms as used in computer storage.

File and folder *(02 Marks)*

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.....

Device and Drive *(02 Marks)*

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Writing and reading *(01 Mark)*

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11. Jemie has finished typing her report; she tries to print such that she can hand it over to her superior but the printer **cannot print**. She decides to troubleshoot her **LaserJet** printer until she manages to print her report.

a) What is **troubleshooting**? *(01 Mark)*

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.....

b) Suggest **two** possible causes of Jamie's **printer failure**. *(02 Marks)*

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.....

c) State two **factors** you can consider before buying a new printer? *(02 Marks)*

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.....

12. a) Distinguish between **job displacement** and **job replacement**. *(02 Marks)*

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b) Mention any **three** jobs that have been created as a result of ICT. *(03 Marks)*

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13. Your teacher has asked you to produce an advert for promoting an upcoming fundraising football event in the school to the local public.

a) Mention **two** application software that can do the job. *(02 Marks)*

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b) Give your **skills** above and many more in the field of ICT, list three **income** generating activities you could engage in during vacation. *(03 Marks)*

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14. Explain the meaning of the following words.

(05 Marks)

Cloud computing

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Device Drivers

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Internet

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Extranet

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Malware

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15. Our **personal information** is not necessarily safe on the internet. **Thieves** and **fraudsters** use various methods to try and obtain **our passwords, usernames, bank details etc.**

a) What is meant by **phishing**?

(01Mark)

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.....

b) How is **unauthorised use** different from **unauthorised access**?

(02 Marks)

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.....

c) Suggest **two** ways how a company might control **unauthorised use** of computer resources by an employee.

(02 Marks)

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16. Give at least **one** example of **spreadsheet** program

(01Mark)

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.....

b) The figure below shows a selected group of students with their marks, use it to answer the questions that follows.

	A	B	C	D
1	name	group	marks	
2	Namukasa. P	A	50	
3	Zzigobwa.R	B	70	
4	Tasimwe.P	B	30	
5	Kalumu.Z	A	81	
6	Pelezako.T	B	25	
7	Olusimwe. A	C	18	
8	Tasimu. P	A	50	
9				

Explain the use and show the result of the following formula when inserted into the spread sheet.

=AVERAGE(C2:C8)

(01 Mark)

.....
.....
.....

=MAX(C1:C8)

(01Mark)

.....
.....
.....

=SUM(C2:C8)

(01 Mark)

.....
.....
.....

c) Write the formula for finding the Position using **“RANK”**.

(01Mark)

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.....
.....

17. Write **TRUE** or **FALSE** next to each of these statements

1.	DTP software is used to create magazines		
2.	Measuring software is used to write letters		
3.	Database software is used to create slide shows		
4.	A working knowledge of HTML is helpful when creating web pages		
5.	PDA's cannot be used unless plugged in to an electricity socket		

18. Define the term **DBMS**. (01 Mark)

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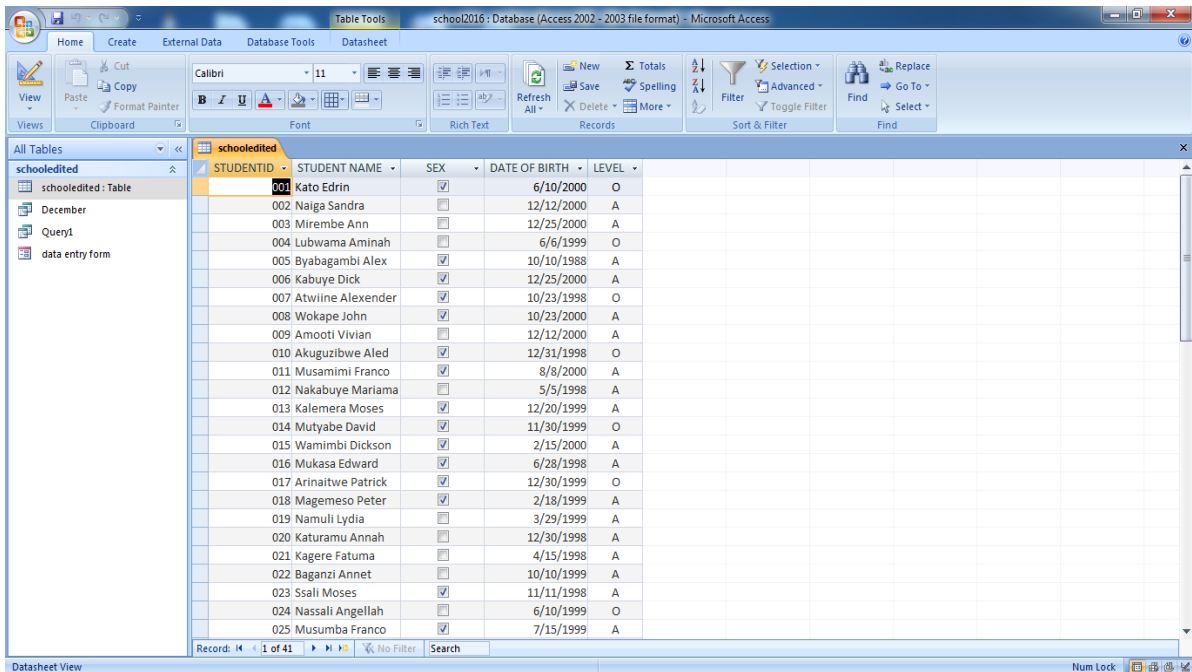
.....

.....

b) Mention **one** example of **DBMS** software (01 Mark)

.....

c)



i) Define the term **data type**. (01 Mark)

.....

.....

ii) Mention the **database object** that has been opened in the figure above. *(01 Mark)*

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iii) State the **data type** of sex from the table above. *(01Mark)*

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19. a). Give the difference between **hard copy** and **soft copy**. *(01 Mark)*

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b). Mention **two** devices to offer the following to the user:

i) **Hard copy.** *(02 Marks)*

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ii) **Soft copy.** *(02 Marks)*

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20. a) State **three** factors to consider before buying a computer program. *(03 Marks)*

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b). Define the following terms:

i). **Software Bugs** *(01 Mark)*

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ii). **Software patches** *(01 Mark)*

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END