

S850/1

SUBSIDIARY ICT

Paper 1

2 hours 30 minutes

MWALIMU EXAMINATIONS BUREAU

Uganda Advanced Certificate of Education

SUBSIDIARY ICT I

PRE REGISTRATION EXAMINATIONS, 2016

Paper 1

2 Hours 30 Minutes

INSTRUCTIONS TO CANDIDATES:

Attempt ALL questions in this paper.

The maximum time allocated to this paper is 2 hours and 30 minutes.

This paper is made up of 20 compulsory and equally weighted questions.

Write all your responses in dark blue or black ink in the spaces provided.

All answers should be written in the spaces provided. No additional material will be provided to the candidate.

Unity work will lead to automatic loss of marks.

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. (a). Give **two** ways IT is used to improve education and instruction in your school. (02 marks)

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.....

- (b). State **two** challenges of using IT at home. (02 marks)

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.....

- (c). Mention **one** advantage of using IT in business. (01 mark)

.....

2. For each of the following situations, state the most appropriate hardware device to use;
(a). Making a hard copy of a document (1 mark)

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- (b). Converting a document on paper into a digital format (1 mark)

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- (c). The salesman who needs to determine the price of a commodity at the supermarket

.....

- (d). An input device to play a computer game (1 mark)

.....

- (e). To accurately print out vector graphics (1 mark)

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3. (a). Define a computer laboratory. (01 mark)

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.....

- (b). State two measures employed to ensure safety of the following while in a computer laboratory:

- (i). **Users.** (02 marks)

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.....

(ii). **Hardware**

(02 marks)

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.....

4. (a). Write the acronym **CPU** in full.

(01 mark)

.....

(b). Mention any **two** basic parts that make up the CPU.

(02 marks)

.....

.....

(c). (i). Give **one** way performance of the CPU can be improved.

(01 mark)

.....

(ii). Apart from the CPU, state **one** common system requirement for using a specific program or hardware component.

(01 mark)

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5. (a). Distinguish between **hard** and **soft copy**.

(01 mark)

.....

.....

.....

(b). Give **two** advantages of keeping computer files in electronic form over print outs.

(02 marks)

.....

.....

- (c). In relation to computer operations, state why each of the following is used:
 (i). **Print Preview.** (01 mark)

.....

- (ii). **Save As.** (01 mark)

.....

6. (a) Given the following information below;

A	Symantic Antivirus	D	E-mail
B	Quick Books	E	Compiler
C	Unix	F	PASCAL

Select the information from the table above which matches with the following
 .,;below;

- (i) Operating system.....
 (ii) Utility software.....
 (iii) Packaged software.....
 (iv) Programming language.....
 (v) Communication software.....

7. (a). Define the term **data back-up.** (01mark)

.....

- (b). Give two reasons for carrying out a data back-up by an organisation apart from
 ensuring data security. (02 marks)

.....

- (c). Apart from carrying out data back-ups, mention one way data can be kept away
 from damage. (02 marks)

.....

8. (a). Distinguish between a **file** and a **folder**. (01 mark)
-
-
-
- (b). In relation to file management, what is the importance of the following components:
- (i). **Path delimiter**. (01 mark)
-
-
- (ii). **File extension**. (01 mark)
-
-
- (c). Give **two** causes of file loss in a computing environment. (02 marks)
-
-
9. (a). What is a desktop publishing program (**DTP**) **program**? (01 mark)
-
-
- (b). Mention any **two** publications a DTP can appropriately reproduce. (02 marks)
-
-
- (c). State a DTP program that uses the following file extension:
- (i). **.ai** (01 mark)
- (ii). **.pub** (01 mark)

10.(a). Define a **computer network**. (01 mark)

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(b). State **two** dangers of using a wireless network connection. (02 marks)

.....

.....

(c). Briefly, describe **one** function of the following in a networking environment:

(i). **Router**. (01 mark)

.....

.....

(ii). **Hub**. (01 mark)

.....

.....

11.(a). Mention **one** practical activity carried out by the following personnel in the computing environment. (05 marks)

(a). **Network Administrator**.

.....

(b). **Systems Administrator**.

.....

(c). **Website Developer**.

.....

(d). **Computer Instructor**.

.....

(e). **Information System Manager**.

.....

12. Write **True (T)** or **False (F)** against each of the following statements (a) to (e).

	Item	T/F
(a).	I can create a new e-mail address using the sign-in facility.	
(b).	HTTP is a standard that allows a user to access electronic pages from a web server.	
(c).	Ordinary post office mail is more secure than e-mails.	
(d).	Protocols set a required standard for use of a network and its resources.	
(e).	A distributed database structure allows customers to carryout online transactions.	

13. You are given the following *URL*; **http://www.jjebexaminations.ac.ug/physics.pdf**

(a). Write **WWW** in full. (01 mark)

.....

(b). State the *URL* host name. (01 mark)

.....

(c). What is the *Second Top Level Domain* for the *URL*? (01mark)

.....

(d). Write down the page label being displayed. (01 mark)

.....

(e). Suggest **one** example of a browser that you could use to open the above *URL*. (01 mark)

.....

14.(a). Give the difference between **application** and **system software**. (01 mark)

.....

.....

(b). Mention any **two** branches of system software. (02 marks)

.....

.....

(c). State **one** effect of the following to a computer file:

(i). **File Compression.** (01 mark)

.....

.....

(ii). **Antivirus program.** (01 mark)

.....

.....

15.Hilda prefers to store her documents online rather than removable devices.

(a). What is **online storage.** (01 mark)

.....

.....

(b). State **two** examples of cyber (online) storage facilities you know. (02 marks)

.....

.....

(c). Give **one** advantage of using cyber storage over removable devices. (01mark)

.....

(d). How can Hilda ensure security of her data held by online data banks? (01 mark)

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16.(a). Give the difference between **editing** and **formatting** of a document. (01 mark)

.....

.....

(b). Mention **two** word processing program facilities used to:

(i). **Edit** a document. (02 marks)

.....
(ii). **Format** a document. (02 marks)

.....
17.(a) Mention any **two** devices that can be used to aid wireless connection. (02 marks)

.....
(b). State **two** practical uses of GPS by a school. (02 marks)

.....
(c). List **one** component of a communication channel. (01 mark)

.....
18.(a). State **two** examples of pointing hardware devices. (02 marks)

.....
(b). Give **two** advantages of using a **hard disk** over a **floppy diskette**. (02 marks)

.....
(c). Outline **one** way you can care and maintain a hard disk. (01 mark)

.....
19.(a). State **two** activities you can put a computer to for survival. (02 marks)






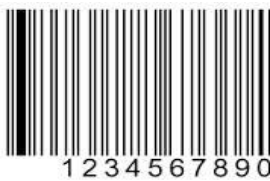
(b). Your Dad wants to buy a computer. State **two** factors you will encourage your Dad not to ignore. (02 marks)

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(c). Suggest to your Dad **one** physical threat he should expect while using his laptop. (01 mark)

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20.Using the following, answer questions (a) to (c) below.

		
<i>Figure 1</i>	<i>Figure 2</i>	<i>Figure 3</i>
		
<i>Figure 4</i>	<i>Figure 5</i>	<i>Figure 6</i>

(a). Identify items labelled:

(i). **Figure 3** (01 mark)

.....

(ii) **Figure 6** (01 mark)

.....

(b). Give **one** function of the component labelled **Figure 1** to a computer. (01 mark)

.....

(c). I can connect device labelled to device labelled using USB ports. (02 marks)

END