

Candidate's Name:

.....

Signature

Random No.					Personal No.		

(Do not write your school/Center Name or Number anywhere on this booklet.)

S850/1
Subsidiary Information
and Communication
Technology
Paper 1
Nov/Dec.2013
2¹/₂ hours



UGANDA NATIONAL EXAMINATIONS BOARD
Uganda Advanced Certificate of Education
SUBSIDIARY ICT
Paper 1
2 hours 30 Minutes

INSTRUCTIONS TO CANDIDATES:

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

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

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

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

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Turn Over

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

1. The table below shows specifications of two computers X and Y.

Computer Specifications	Computer X	Computer Y
Processor	Intel (R)3.2 GHz	Intel(R) 3308 MHz
RAM	1GB	2000MB
Hard disk	4600MB	50GB
Monitor size	19"	15"

(a) Which of the two computers would you recommend for a company to buy? (01 mark)

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(b) State two reasons to defend your answer in(a) (02 marks)

(i).....

.....

(ii).....

.....

(c) Which is the least important of the computer specifications given in the table? (01 mark)

.....

.....

(d) State one reason defending your answer in (c) (01 marks)

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.....

2. (a) Explain how computers can be professionally be used by

(i) Teachers (02 marks)

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.....

(ii) Doctors (02 marks)

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.....

(b) State one health risk associated with continued usage of computers. (01 marks)

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3. (a) Explain the following terms in spreadsheet.

(i) Values. (02 marks)

.....
.....

(ii) Labels. (02 marks)

.....
.....

(b) Name a symbol used when writing functions in a spreadsheet. (01 mark)

.....

4. (a) A student had a file on her laptop and wanted to transfer it to a computer in a laboratory. Give three devices that she can use to transfer the file. (03 marks)

(a).....

(b).....

(c).....

(b) Explain the following methods of transferring a file from one location to another

(i) Drag. (01 mark)

.....
.....

(ii) Copy (01 mark)

.....
.....

5. (a) Give three factors a company should consider before buying any storage devices. (03 marks)

(i).....
.....

(ii).....
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(iii).....
.....

(b) Teo's network access speed is six megabytes per second. How many kilobytes does Teo's network receive or send per second? (02 marks)

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6. (a) Give one use for each of the following computer devices.

(i) Power supply unit. (01 mark)

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.....

(ii) System case. (01 mark)

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.....

(iii) CMOS battery. (01 mark)

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(b) Explain the following

(i) Analog device.

(01 mark)

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

(ii) Digital device.

(01 mark)

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

7. (a) State three types of computer software.

(02 marks)

(i).....

(ii).....

(iii).....

(b) Differentiate between a software version and release.

(02marks)

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.....
.....

8. (a) State two internet based tool that support web based research.

(02 marks)

(i).....

(ii).....

(b) Identify three things one would require in order to get connected to the internet.

(03 marks)

(a).....

(b).....

(c).....

9. Outline five factors which determine data transmission speed over the internet. (05 marks)

- (i).....
- (ii).....
- (iii).....
- (iv).....
- (v).....

10. (a) Give five factors an organization should consider before choosing a Local Area Network (LAN) model. (05 marks)

- (a).....
- (b).....
- (c).....
- (d).....
- (e).....

11.(a) Write the initial procedure for booting a computer system. (03 marks)

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(b) Give any two measures taken to ensure that computers in a laboratory are safe. (02 marks)

(i).....
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(ii).....
.....

12. (a) A computer file is made up of a file name and file extension.

(i) What is the purpose of a file extension. (02 marks)

.....
.....

(ii) Write the file extension for word processor document. (01 mark)

.....

(b) Okello deleted his file accidentally in which he can recover his file? (02 marks)

.....
.....

13. (a) An internet café plans to replace a Cathode Ray Tube(CRT) monitors with Liquid Crystal Display(LCD) monitors. Why should the café replace CRTs with LCDs? (05 marks)

(i).....
.....

(ii).....
.....

(iii).....
.....

(iv).....
.....

(v).....
.....

14. Indicate True or False against each statement in the table below. (05 marks)

	Statement	True/False
(a)	Windows XP is graphical user interface operating system	
(b)	Presentation software supports multimedia	
(c)	Word processors have formula bars.	
(d)	Backup is to combine the content of two or more files to produce one output file.	
(e)	The Disk Operating system is menu driven	

15. Company A uses custom-made applications while company B uses off-shelf applications.

Write down any five advantages Company B has over Company A. (05 marks)

(i).....
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(ii).....
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(ii).....
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(iii).....
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(iv).....
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(v).....
.....

16. (a) Explain the term Software Piracy. (02 marks)

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.....
.....

(b) Write down any three application programs that can be obtained from open source software. (03 marks)

(i).....

(ii).....

(iii).....

17. The table below shows part of a database. Use it to answer the questions that follow.

EMPLOYEE NO.	NAME	TEL .NO	SALARY	NO. OF MONTHS	TOTAL PAY
E227008	Betty	0774267820	\$700,000	3	
E227011	Kintu	0701998142	\$400,000	4	

(a) Write down the data types in the following fields

(i) TEL No (01 mark)

.....

(ii) SALARY (01 mark)

.....

(b) Suggest a suitable primary key. (01 mark)

.....

(c) The formula entered in the design view to determine TOTAL PAY, which is a product of SALARY and NO. OF MONTHS is. (02 marks)

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18. State any five characteristics of modern computer. (05 marks)

- (i).....
.....
- (ii).....
.....
- (iii).....
.....
- (iv).....
.....
- (v).....
.....

19. From the given terminologies used for internet and network below, choose the correct one to complete each of the statements that follow.

- A discussion group
- Instant messaging
- Video conferencing
- A chat room
- Online shopping
- Telephony

(a) The type of internet communication that allows multiple users to exchange messages in real time is called.....(01 mark)

(b) The type of internet communication that enables individuals to post messages on a particular topic for others to read and respond to is called
(02 marks)

(c) The use of multimedia technologies in communication is called
(02 marks)

20.(a) Explain the following terms as used in electronic mail.

(i) Blind Carbon Copy (BBC).

(02 marks)

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.....

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(ii) Carbon Copy (CC).

(02 marks)

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(b) State one requirement needed for one to send an email.

(01 mark)

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END