

**UGANDA NATIONAL EXAMINATIONS
BOARD UGANDA CERTIFICATE OF LOWER
EDUCATION**

**END OF YEAR EXAM
INFORMATION AND COMMUNICATION
TECHNOLOGY**

SAMPLE THEORY

PAPER

SENIOR TWO

2 Hours 15 Minutes

Section A

1. a) Setlight Quality Secondary School in Wakiso District has been selected to participate in the final continental debating competitions with the champions of Uganda, Kayunga district Lion of Judah High School. However, it is expensive to transport the whole class to Kayunga District. With the availability of ICTs, it is possible for this debate to take place without the two schools meeting physically. Explain how the debate between the two schools can be conducted with the use of ICTs.

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(3 scores, 1@)

- b) Differentiate between the following terms:

- i. A computer and a computer system

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ii. Hardcopy and softcopy

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(2 scores).

2. i) Describe how each of the following devices can be used for delivering a lesson in Biology.



A.

B.

C.

(1Score).

ii) Explain any two precautions that should be observed while using any of the devices in i) above.

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(2 scores)

3.(a)

<i>Statement</i>	<i>Device</i>
<i>A device used to convert a hard copy into soft copy file</i>	
<i>A device used to output the contents of an MP3 file at a party</i>	
<i>A device for producing coloured images for a billboard</i>	

(b) Write short notes to explain the following terms as applied in ICT. **(5 Score)**

i. Ergonomic computing

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ii. Green computing

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iii. Netiquette

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iv. Internet

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v. MiFi

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4. (a) Given a URL below and answer the questions that follow. **(3 Score)**

http://www.youtube.com/Atambula_aggada.mp3

i. Define the filename of the file being referred to.

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ii. What is the type of the above file

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iii. Give a reason to defend your answer in (ii) above

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(b). Explain the meaning of the term Digital divide. **(1 Score)**

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(c). How can digital divide be minimized in your school or community. **(1 Score)**

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5. A User logs on to his laptop computer using a thumb print and password. He does not connect it to open wireless networks. He always tells his colleagues that **“a laptop is a personal device not for sharing”**.

a) Share your personal views on why the User;

i) Logs in with both a thumb print and a password. **(1 score)**

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ii) Avoids open wireless networks.

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(1 score)

(a) Explain the importance of the following fields to somebody who wants to start communicating using an E-mail.

(5 Score)

i. .CC:.....

ii. .BCC:.....

iii. .Subject:.....

(3 Score)

6. The worksheet below shows candidates marks for BOT exams for only ECONOMICS, GEOGRAPHY, AND LITERATURE

	A	B	C	D	E	F
1	NAMES	ECONOMICS	GEOGRAPHY	LITERATURE	TOTAL	
2	Opio	72	72	06		
3	Adong	24	00	66		
4	Walter	96	90	80		
5	Musa	48	38	64		
6	Total					
7	AVERAGE					

a) Write down the formulae that would return:

i) Totals for Economics, Geography and Literature.

(03 Score)

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ii) Averages score for all subjects
(02 Score)

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7. (a) Explain the following;

(i) Biometric Devices. **(1 score)**

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(ii) Malware **(1 score)**

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(iii) A printer **(1 score)**

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(b) List down two storage devices you know about and how they can work. **(2 scores)**

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8. The school computers in the computer laboratory are having a problem of limited storage space.

(a) Suggest three ways of solving this problem. **(3 scores)**

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Drive. Suggest any two challenges he is likely to face. **(2 scores)**

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9. Two competing companies A and B produce similar products. Company A reaches out to customers using printed flyers and billboards around the community while company B has active Facebook and Titter platforms.

(a) What are the likely advantages of Company A over Company B? **(2 scores)**

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(b) What are the likely advantages of Company B over Company A? **(2 scores)**

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(c) Which of the two approaches would be appropriate for SELLING company products in your community and why? **(1 score)**

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10. Students of Senior One shared complaints of having backaches, headaches and painful shoulders as a result of participating in a computer training workshop that lasted one week.

(a) Explain the possible causes of

(i) Backaches **(1 score)**

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(ii) Headaches **(1 scores)**

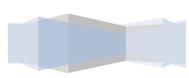
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(iii) Painful shoulders **(1 score)**

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(b) Share your advice on how any two of the above challenges can be avoided by the students. **(2 scores)**

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SECTION B

Answer any two questions from this section.

11. Imagine you were dropped in the middle of a forest. You are not able to identify where you are. In your pocket, you have a functioning smartphone that has no sim card in it. You realize that it can access an active hot spot for an abandoned camping site nearby. Write down a detailed step by step account of the steps you would take to get yourself out of the forest back to safety?

(15 scores)

12. The school brought new computers with specific computer no assembled, as an ict student you are give a chance to assemble one of the computer at school with the following components; System unit, flat screen, keyboard, mouse ,power extension cable ,UPS ,printer and 3 power cables. Explain the steps you will go through when assembling the computer components?

(15 scores)

13. Imagine you are at a camp site in a remote village and realize the many features near the camp site are what was required for your Geography coursework. You need to take a number of photos of these features because they will be helpful in your coursework. You only have access to two devices with you. A new digital camera that does not have a memory card in it but has internal storage that can accommodate about 5 images and a laptop whose webcam is faulty. Both laptop and camera support Bluetooth technology. You need to take not less than 30 photos for the coursework to be fully covered.

Explain in detail how you can get all the necessary photos without leaving the camp site?

(15 scores)

WISHING YOU *happy* X-Mass & HOLIDAYS!

HOWEVER DIFFICULT LIFE

MAY SEEM, THERE IS

ALWAYS SOMETHING YOU

CAN DO AND SUCCEED AT,

HAPPY NEW YEAR 2023#