Name: _____ Index No. _____

School: _____ Signature _____

S850/1
Subsidiary Information and
Communication Technology
PAPER 1
July/August
2½ hours

WAKISSHA JOINT MOCK EXAMINATIONS

Uganda Advanced Certificate of Education

SUBSIDIARY ICT

Paper 1

2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

- *The paper is made up of 20 equally weighted questions.*

- *Answer all questions in this paper.*

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

- *No additional answer sheets should be inserted.*

For examiner's 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) Explain the term **Computer**. (01 mark)

_____

_____

(b) Outline **four** characteristics of computers (04 marks)

_____

_____

_____

_____

2. The use of computers has had an effect on the health of students in schools.
(a) Describe **two** health issues caused by the prolonged use of computers.
(02 marks)

_____

_____

(b) For every issue named above explain the method that can be used to prevent it.
(02 marks)

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_____

(c) Explain the meaning of the term **ergonomics**. (01 mark)

_____

_____

3. (a) Explain the term **file extension**. (01 mark)

_____

_____

(b) Write true or false on the following;
(i) Data and information is stored in form of files in the computer.
(01 mark)

_____

(ii) **.txt** is a file extension of a file saved in a notepad. (01 mark)

_____

(iii) Kakoko. docx is a file extension for word pad. (01 mark)

_____

(iv) The file type for wakissha.bmp is Ms paint file. (01 mark)

_____

4. Ssegujja was typesetting the document using his laptop which he saved on his desktop in a folder.
(a) Define the term **folder**. (01 mark)

_____

_____

(b)   Outline the procedures he would go through to transfer his work onto a flash disk.   (04 marks)

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_____

_____

_____

5.   What is the importance of each of the following items in a computer laboratory?

(i)   Air blower.   (01 mark)

_____

_____

(ii)   Air conditioner.   (01 mark)

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_____

(iii)   Uninterruptible power supply.   (01 mark)

_____

_____

(iv)   Anti-virus software.   (01 mark)

_____

_____

(v)   Anti-glare screen.   (01 mark)

_____

_____

6.   (a)   What is **word processing**?   (01 mark)

_____

_____

(b)   A student used a word processing application software to draw the table below. Identify the following formatting features used in the table.   (04 marks)

A   _____

B   _____

C   _____

D   _____

7. (a) Define the term **computer hardware**. (01 mark)

_____

_____

(b) Briefly explain how each of the following system devices contributes to the general operation of the computer system. (04 marks)

(i) Hard disk drive.

_____

_____

(ii) Power supply Unit.

_____

_____

(iii) RAM chip.

_____

_____

(iv) Processor.

_____

_____

8. (a) State **three** advantages of hard disk in data storage. (03 marks)

_____

_____

(b) Explain the following terms in relation to data storage. (02 marks)

(i) Access time

_____

_____

(ii) Storage capacity

_____

_____

9. (a) Write CPU in full. (01 mark)

_____

(b) Explain the following machine cycle processes. (04 marks)

i) Fetching

_____

_____

ii) Decoding

_____

_____

iii) Execution

_____

_____

iv) Storing

_____

_____

10. (a) Name **two** types of system software used in a computer.   (02 marks)

_____

_____

(b) Differentiate between **shareware** and **freeware** application software.

(02 marks)

_____

_____

_____

(c) Name **one** application software suite that is commonly used in government offices.   (01 mark)

_____

11. Tick true or false next to each of the statements.   (05 marks)

		TRUE	FASLE
a)	Database software is used to design presentations of slides		
b)	Microsoft office publisher is an example of a DTP		
c)	E-mail software is used in creating and formatting text in documents.		
d)	Adobe Photoshop is an image and photo editing software.		
e)	A Head teacher preparing a school report to be presented at a parents' meeting must use spreadsheet software.		

12. (a) (i) Differentiate between **Command line interface (CLI)** and **Graphical User Interface (GUI)**   (02 marks)

_____

_____

_____

_____

(ii) Give **one** example of a Command line interface.   (01 mark)

_____

(b) Explain the advantages of Graphical User Interface over Command line interface.   (02 marks)

_____

_____

_____

_____

Turn Over

5

13. (a) Study the function structure below and answer the questions that follow:
= IF (D2<60, "NO CASH", 6000)
(i) What is the importance of beginning with an equal sign while using the function? (1 mark)

_____

_____

(ii) The formula = Countif(D2:D7, ">80") was used in spreadsheet application (2 marks)
Explain the above statement.

_____

_____

_____

(b) State **two** data types used in spreadsheet application. (2 marks)

_____

_____

14. (a) Differentiate between a **webpage** and **website**. (2 marks)

_____

_____

_____

_____

(b) Given the following email address: njabex@gmail.com. (3 marks)
Explain the parts of the above email.

_____

_____

_____

_____

15. A company has decided to introduce an intranet and remove internet for its staff.
a) Give **two** reasons why the company would not allow its staff internet access. (2 marks)

_____

_____

b) List down **three** advantages the company will enjoy for using intranet. (3 marks)

_____

_____

_____

16. (a) Given the following URL:
http://www.BBC.com/magazine/society.Pdf
Write the following in full (4 marks)

(i) URL _____

(ii)   http _____

(iii)   WWW _____

(iv)   Pdf _____

(b)   Identify the top level domain in this URL.   (01 mark)

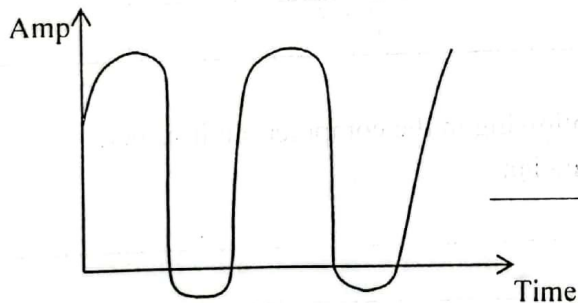_____

17.   (a)   Define the term **computer communication**.   (01 mark)

_____

_____

_____

(b)   Mention any **two** components of a good data communication system. (2marks)

_____

_____

(c)   Distinguish between **simplex** and **duplex** transmission modes.   (2 marks)
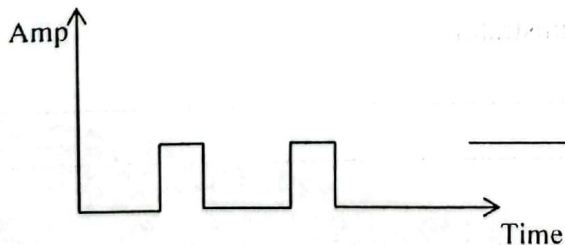
_____

_____

_____

_____

18.   (a)   Identify the communication signals.

(i)

_____ (1 mark)

(ii)

_____ (1 mark)

(b)   Explain the importance of the following in data transmission.   (3 marks)

(i)   Start bit _____

_____

(ii)   Parity bit _____

_____

(iii) Stop bit_____

_____

19. (a) Explain the following terms as applied in data security
   (i) Confidentiality   (1 mark)
   _____

   _____

   (ii) Access control   (1 mark)
   _____

   _____

   (b) Distinguish between **unauthorized access** and **unauthorized use**.   (2 marks)
   _____

   _____

   _____

   (c) Give **one** way of preventing computer crimes.   (01 mark)
   _____

20. (a) What are **emerging technologies**?   (2 marks)
   _____

   _____

   _____

   (b) State the role of the following in the computer environment.   (3 marks)
   (i) Computer technician
   _____

   _____

   (ii) Database Administrator
   _____

   _____

   (iii) Web developer
   _____

   _____

END