Candidate's name:...

Signature:...

	Random No.	Personal No.

(Do not write your School/Centre Name or Number anywhere on this booklet)

S850/1
Subsidiary Information
and Communication
Technology
Paper 1
Nov./Dec. 2017
2½ 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.

The paper consists of **twenty** equally weighted questions.

All answers should be written in blue or black ink in the spaces provided on 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	**Total**

Turn Over

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

1. (a) Name one tool used to remove dust from a computer. *(01 mark)*

....

(b) Give reasons why one would require the following in the computer laboratory;

  (i) Uninterruptible Power Supply. *(02 marks)*

....

....

....

  (ii) LCD Projector. *(02 marks)*

....

....

....

2. (a) Write the procedure for changing the name of an existing file or folder. *(03 marks)*

  (i) ....

  (ii) ....

  (iii) ....

(b) Explain the function of a device driver in a computer system. *(02 marks)*

....

....

....

2

3. Write the following in full as used in Information and Communication Technology; *(05 marks)*

   (a)   CCTV ....

   (b)   ROM ....

   (c)   CAD ....

   (d)   CPU ....

   (e)   VDU ....

4. (a)   Identify **one** storage device that is resistant to virus attacks. *(01 mark)*

          ....

   (b)   Describe the following terms as used in computers;

          (i)   File.   *(02 marks)*

                 ....

                 ....

          (ii)   Folder.   *(02 marks)*

                 ....

                 ....

5. (a)   State **four** categories of the components of a computer system.
                                                                                    (04 marks)

          (i)   ....

          (ii)   ....

          (iii) ....

          (iv)   ....

   (b)   Give the function of any **one** category you have stated in 5(a). *(01 mark)*

          ....

          ....

6. Indicate TRUE or FALSE against each statement in the table below:

(*05 marks*)

	STATEMENT	TRUE/FALSE
(a)	Open source software is copyrighted and distributed without costs for trial period.	
(b)	Product activation is used to ensure that software is not installed illegally.	
(c)	Programming software interfaces user application and computer hardware.	
(d)	A file extension is a combination of characters used to identify a file.	
(e)	A clipboard holds copied data.	

7. (a) Define the term **hardware** as used in Information and Communication Technology. (*02 marks*)

....

....

....

(b) Name **two** ports used to connect devices on a computer. (*02 marks*)

(i) ....

(ii) ....

(c) Give **one** device that can be used to transfer a hardcopy document to a computer. (*01 mark*)

....

8. (a) What is system software? (*01 mark*)

....

....

(b) Outline any **four** functions of an operating system. (*04 marks*)

(i) ....

....

(ii) ....

....

4

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

9. (a) Distinguish between **Reading** and **Writing** in relation to storage medium. *(02 marks)*

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

(b) Mention **one** example for each of the types of storage devices given below: *(03 marks)*

(i) Optical storage ....

(ii) Magnetic storage ....

(iii) Solid state ....

10. (a) Name any **two** examples of documents created using desktop publishing application. *(02 marks)*

(i) ....

(ii) ....

(b) State any **three** desktop publishing features that can enhance the documents you named in 10 (a). *(03 marks)*

(i) ....

(ii) ....

(iii) ....

11. (a) Outline any **three** threats that a System Administrator may face as a result of networking computers. *(03 marks)*

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

(iii) ....
....
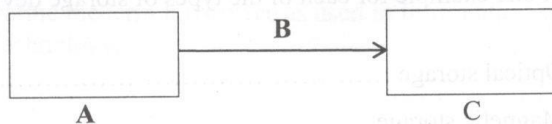
(b) Suggest any **two** measures that the system administrator can employ to reduce the network threats.   *(02 marks)*

(i) ....
....

(ii) ....
....

12. Study the data communication diagram below and answer the questions that follow:

(a) Name the elements of data communication labelled;   *(03 marks)*

A ....

B ....

C ....

(b) Suggest the device used to connect **A** to **B**.   *(01 mark)*

....

(c) State the protocol used to uniquely identify **A** and **C**.   *(01 mark)*

....

13. The table below consists of some of the peripheral devices of a computer. Indicate Input or Output.   *(05 marks)*

	PERIPHERAL DEVICE	INPUT/OUTPUT
(a)	Biometric Reader	
(b)	Projector	
(c)	Plotter	
(d)	Scanner	
(e)	Headphones	

14. **(a)** Give **two** reasons why an electronic spreadsheet application is suitable for preparing budgets. *(02 marks)*

(i) ....

....

(ii) ....

....

(b) State **one** use of each of the following applications;

(i) Presentation software *(01 mark)*

....

....

(ii) Word Processor *(01 mark)*

....

....

(iii) Communication Software *(01 mark)*

....

....

15. **(a)** Name **one** example of a presentation software. *(01 mark)*

....

(b) Give the importance of each of the following features as used in electronic presentation;

(i) Master Slide. *(02 marks)*

....

....

....

(ii) Transitions. *(02 marks)*

....

....

....

16. (a) State **three** advantages of using e-mail services over sending mail by post. (03 marks)

(i) ....

....

(ii) ....

....

(iii) ....

....

(b) State **two** advantages of post-mail services over e-mail communication. (02 marks)

(i) ....

....

(ii) ....

....

17. Give **five** examples of networking hardware. (05 marks)

(a) ....

(b) ....

(c) ....

(d) ....

(e) ....

18. Outline **five** ways in which a student can use the Internet. (05 marks)

(a) ....

....

(b) ....

....

(c) ....

....

(d) ....

....

(e) ....
....

19. (a) (i) What is a data transmission media? (*01 mark*)

....
....

(ii) Give **two** examples of transmission media. (*02 marks*)

....
....

(b) Name **two** services offered by data communication tools. (*02 marks*)

(i) ....

(ii) ....

20. (a) Give any **two** services that use Electronic payment (E-payment) method. (*02 marks*)

(i) ....

(ii) ....

(b) State **three** advantages of using E-payments over traditional methods. (*03 marks*)

(i) ....
....

(ii) ....
....

(iii) ....
....