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 (ICT)
Paper 1
Nov./ Dec. 2020
2 ½ hours

UGANDA NATIONAL EXAMINATIONS BOARD

Uganda Advanced Certificate of Education

SUBSIDIARY ICT

Paper 1

2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

The paper is made up of **twenty** *equally weighted questions.*

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

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

Questions	For Examiners' Use Only	
	Marks	Initials
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) Suggest **one** way of opening an application program. *(01 mark)*

   ....

   (b) A computer literate person is *(01 mark)*

   ....

   ....

   (c) Write **three** reasons why Information and Communication Technology is important. *(03 marks)*

   (i) ....

   ....

   (ii)...

   ....

   (iii) ....

   ....

2. (a) Give any **two** ways to protect a computer from electrical damage. *(02 marks)*

   (i) ....

   ....

   (ii) ....

   ....

   (b) Suggest any **two** measures you would take to prevent loss and /or damage of data in computers. *(02 marks)*

   (i) ....

   ....

   (ii) ....

   ....

(c) Give **one** reason why computers should be serviced. (*01 mark*)

....

....

[ ]

3. (a) Explain the term **Short Cut** as used in computers. (*02 marks*)

....

....

....

(b) Identify **three** limitations of using the desktop as a sole file storage location/directory. .. (*03 marks*)

(i) ....

....

(ii) ....

....

(iii) ....

....

4. (a) A specialised device that moves the pointer on a computer screen is called the (*01 mark*)

....

(b) Name **two** devices that serve as both input and output devices. (*02 marks*)

(i) ....

(ii) ....

Turn Over

(c)   What device can be used to capture information shown in the picture below?   (02 marks)

8 993242 592391

....

5.   Give examples of software under the following categories:
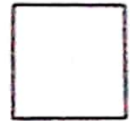
(a)   System Utility.   (02 marks)

Examples;   (i)   ....

(ii)   ....

(b)   Operating Systems.   (02 marks)

Examples;   (i)   ....

(ii)   ....

(c)   Programing Languages.   (01 mark)

Example ....

6.   (a)   Describe the term **blog** as used in Internet.   (02 marks)

....

....

....

(b)   Explain the term **Cloud Computing**.   (02 marks)

....

....

....

(c)   Give **one** advantage of cloud computing.   (*01 mark*)

....

....

7.   (a)   Write LAN in full.   (*01 mark*)

....

(b)   Explain the following network models:

(i)   Client-server.   (*02 marks*)

....

....

....

(ii)   Peer-to-Peer.   (*02 marks*)

....

....

....

8.   Identify **five** emerging technologies and innovations in the area of transport.
                                                                      (*05 marks*)

(i)   ....

(ii)   ....

(iii)   ....

(iv)   ....

(v)   ....

9. The screen shot below shows a database object.

```
                    Student Bio Data

  Names         Kirya Doma        Std_No      0028

  Dormitory     Magdalene         Parents Tel  0773776655

  Co-curricular  Choir Member

  Matron remarks  Very noisy in the dormitory
```

(a) Name the database object shown. (*01 mark*)

....

(b) Identify the field which would serve as a primary key. (*01 mark*)

....

(c) Assign appropriate data types for the following fields: (*03 marks*)

    (i) **Parents Tel**: ....

    (ii) **Matron remarks**: ....

    (ii) **Std_No**: ....

10. (a) Describe the term **digital divide**. (*02 marks*)

....

....

....

....

(b)   Outline any **three** indicators of digital divide.   (*03 marks*)

(i)   ....

....

(ii)   ....

....

(iii) ....

....

11.   (a)   Distinguish between high level programming languages and low level programming languages.   (*02 marks*)

....

....

....

....

....

(b)   Give **three** advantages of high level programming languages. (*03 marks*)

(i)   ....

....

(ii)   ....

....

(iii) ....

....

12. (a) Outline any three advantages of a flash disk. (03 marks)

(i) ....

....

(ii) ....

....

(iii) ....

....

(b) Suggest any **two** ways of creating more storage space on a flash disk. (02 marks)

(i) ....

....

(ii) ....

....

13. Write **TRUE** or **FALSE** against each statement from (a) to (e) in the table below. (05 marks)

	STATEMENT	TRUE / FALSE
(a)	Image viewer utility displays content of graphics when you double click.	
(b)	Uninstaller removes a word document file from the computer system.	
(c)	Disk defragmenter compiles technical information about hardware and software.	
(d)	Disk scanner detects and corrects problems on hard disk.	
(e)	Anti-virus utilities protect the physical access to the computer.	

14. (a) Explain the term Internet Service Provider (ISP). (*02 marks*)

....

....

....

....

(b) Give **three** examples of web browsers. (*03 marks*)

(i) ....

(ii) ....

(iii) ....

15. Identify **five** wireless communication media which can be used to connect network devices as follows:

(a) Within the same room. (*02 marks*)

(i) ....

(ii) ....

(b) Between users in the same city. (*03 marks*)

(i) ....

(ii) ....

(iii) ....

16. (a) What is hacking as applied in ICT? (*01 mark*)

....

....

Turn Over

(b)   Explain the following internet crimes:

(i)   Phishing.   (02 marks)

....

....

....

(ii)   Spamming.   (02 marks)

....

....

....
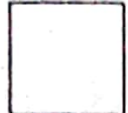
17.   The table below shows results from an ICT class extracted from a
        spreadsheet application. Use it to answer questions (a) to (c).

	A	B	C	D	E	F
1	No.	Name	Assignment	Test	Examination	Average
2	1	Peter	56	74	89	
3	2	Lindah	82	45	85	
4	3	Rayyam	100	95	90	
5	4	Josephine	50	90	65	
6	5	Musa	60	57	80	
7	6	Amina	38	77	62	

(a)   Write the formula that can be used to determine the average score for
        Peter.
                                                                                    (02 marks)

....

....

(b) Describe the procedure you would follow to obtain the average scores of the other students using your formula in (a). *(02 marks)*

....

....

....

(c) What function would you use to position the students? *(01 mark)*

....

18. Study the computer specifications in the table below and answer the questions that follow.

Computer specifications	Computer	
	A	**B**
Clock Rate	1.70GHZ	1.2 GHZ
Random Access Memory	2 GB	1000 MB
Hard Disk	2000 MB	5GB

(a) Identify the computer which is faster. *(01 mark)*

....

(b) State **two** reasons to support your answer in (a). *(02 marks)*

(i) ....

....

(ii) ....

....

(c) Identify the computer with a higher storage capacity and give the reason why. *(02 marks)*

....

....

....
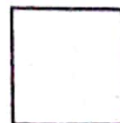
19. (a) Define the term **Software package /suite**. (*02 marks*)

....

....

....

....

(b) (i) Give one example of a software package/suite. (*01 mark*)

....

(ii) List any **two** components of your example in (b) (i). (*02 marks*)

....

....

20. (a) Name any **two** network communication devices. (*02 marks*)

(i) ....

(ii) ....

(b) Give any **three** advantages of computer networks. (*03 marks*)

(i) ....

....

(ii) ....

....

(iii) ....

....

END