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.2014
$2\frac{1}{2}$ 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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*Answer **all** the questions in this paper*

1. (a) Explain the term Information and Communication Technology. *(02 marks)*

…………………………………………………………………………………………

…………………………………………………………………………………………

…………………………………………………………………………………………

…………………………………………………………………………………………

b) State **three** ways in which information technology has improved communication. *(03 marks)*

(i)…………………………………………………………………………………………

…………………………………………………………………………………………

(ii)…………………………………………………………………………………………

…………………………………………………………………………………………

(iii)…………………………………………………………………………………………

…………………………………………………………………………………………

2. Give one reason why a school director would purchase the following equipment for a computer laboratory.

(a) Blower. *(01 mark)*

…………………………………………………………………………………………

…………………………………………………………………………………………

……....…………………………………………………………………………………...

(b) Anti-glare filter screens. *(02 marks)*

…………………………………………………………………………………………

…………………………………………………………………………………………

…………………………………………………………………………………………

(c) Air conditioner. *(02 marks)*

…………………………………………………………………………………………

…………………………………………………………………………………………

…………………………………………………………………………………………

3. During a practical examination students were required to open a blank file and save its as

D:\STUDENT WORK\EOT PRACTICAL\safety.doc.

(a) State the name of the immediate subfolder in which students must save the file.

(01 mark)

……………………………………………………………………………………

b) Write the root directory onto which the file must be saved.   *(02 marks)*

……………………………………………………………………………………

c) Suggest one example of a computer application the student can use to create the file.   *(01 mark)*

……………………………………………………………………………………

d) State the name of the file represented by the above file path.   *(01 mark)*

……………………………………………………………………………………

4. Study the devices and answer questions that follow.
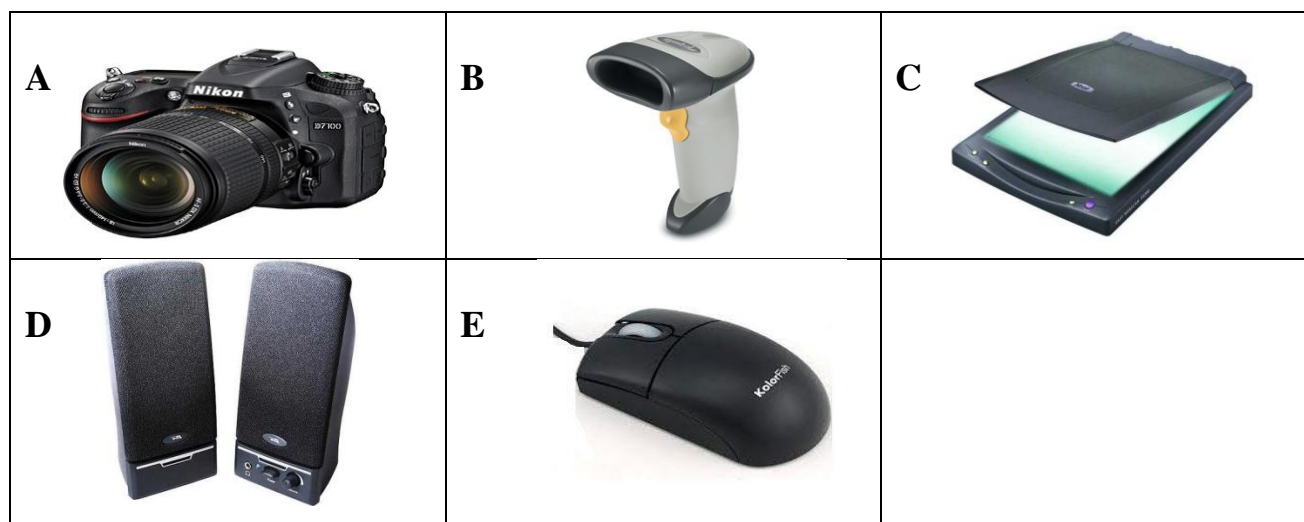
(a) Name the devices labeled.   *(03 marks)*

A.…………………………………………………………………………………

B.…………………………………………………………………………………

C.…………………………………………………………………………………

(b) Give one major similarity between devices A and E.   *(01 mark)*

…………………………………………………………………………………………

…………………………………………………………………………………………

(c) Identify one device which can be categorized as an output device.   *(01 mark)*

…………………………………………………………………………………………

5. Read the statement below and write the words TRUE or FALSE in the spaces
provided.   *(05 marks)*

STATEMENT		TRUE/FALSE
(a)	Machine code is one of the level computer languages.	
(b)	Microsoft is the only operating system in use in Uganda	
(c)	WINZIP is an example of system software which reduces the actual size of a file	
(d)	A student delivering a presentation would need an LCD projector and laptop.	
(e)	Screen savers can be categorized as desktop publishing software since they can be used for advertising purposes.	

6. (a) State any two adverse effects of using internet for the business and
communication.   *(02 marks)*

(i)…………………………………………………………………………………………

…………………………………………………………………………………………

(ii)…………………………………………………………………………………………

…………………………………………………………………………………………

b) Suggest the most appropriate Internet Communication services in the following
situations.

(i) Outline meetings between two company employees in geographically separated
regions.   *(01 mark)*

…………………………………………………………………………………………

(ii) Instant and real time communication between friends. *(01 mark)*

……………………………………………………………………………………………

(iii) Typed views on an on-going online discussion amongst a specific group of people. *(01 mark)*

……………………………………………………………………………………………

7. Identify any three devices other than computers require to set up a network within a school environment. *(03 marks)*

(a)………………………………………………………………………………………

(b)………………………………………………………………………………………

(c)………………………………………………………………………………………

b) Distinguish between data communication and networking. *(02 marks)*

……………………………………………………………………………………………
……………………………………………………………………………………………
……………………………………………………………………………………………
……………………………………………………………………………………………

8. (a) List any three possible threats to data in a computer networked environment. *(03 marks)*

(i)…………………………………………………………………………………………
(ii)………………………………………………………………………………………..
(iii)………………………………………………………………………………………

b) Name any two types of security measures which can be used to control the threats listed in (a) above. *(02 marks)*

(i)…………………………………………………………………………………………
……………………………………………………………………………………………

(ii)…………………………………………………………………………………………
……………………………………………………………………………………………

9. Given below is the notice which the head girl has typed and intends to pin on all the notice boards in the school.

THE REGIONAL SWIMMING GALA
ON 22ND NOVEMBER 2014
AT MAKERERE UNIVERSITY POOL
FEE: 500
REGISTER WITH HEADGIRL

Explain any five word processing features which the head girl would use to enhance the appearance of the above notice.
(05 marks)

(a)……………………………………………………………………………………
………………………………………………………………………………………

(b)……………………………………………………………………………………
………………………………………………………………………………………

(c)……………………………………………………………………………………
………………………………………………………………………………………

(d)……………………………………………………………………………………
………………………………………………………………………………………

(e)……………………………………………………………………………………
………………………………………………………………………………………

10. (a) Suggest one way in which computers have been made user friendly for persons that are physically challenged in the following areas.

(i) Without hands. *(01 mark)*

………………………………………………………………………………………
………………………………………………………………………………………

(ii) Impaired vision. *(01 mark)*

………………………………………………………………………………………
………………………………………………………………………………………

b) Give three health issues that may be caused by the prolonged use of computers.

(03 marks)

(i)…………………………………………………………………………………………

……………………………………………………………………………………………

(ii)…………………………………………………………………………………………

……………………………………………………………………………………………

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

……………………………………………………………………………………………

11. Choose the appropriate file extensions from the list given for sentences (a) to (e)

.doc ,   **txt** ,   **tif** ,   **bat** ,   **sys**

(a) Program file that perform fundamental operation in a computer.   *(01 mark)*

……………………………………………………………………………………….

(b) A Microsoft word file.   *(01 mark)*

………………………………………………………………………………………

(c) A file containing series of commands during boot up.   *(01 mark)*

………………………………………………………………………………………

(d) A plain file created using note pad.   *(01 mark)*

………………………………………………………………………………………

(e) A graphic file created using application such as Adobe Photoshop.   *(01 mark)*

………………………………………………………………………………………

12. (a) State any three operations of the machine cycle of a Central Processing Unit. *(03 marks)*

(i)…………………………………………………………………………………………

…………………………………………………………………………………………

(ii)…………………………………………………………………………………………

…………………………………………………………………………………………

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

…………………………………………………………………………………………

(b) Describe any one of the operations stated in (a) above. *(02 marks)*

…………………………………………………………………………………………

…………………………………………………………………………………………

13. (a) A set of instructions that are arranged in a logical way to run a computer is called. *(01 marks)*

…………………………………………………………………………………………

(b) List any three categories of system software. *(03 marks)*

(a)…………………………………………………………………………………………

(b)…………………………………………………………………………………………

(c)…………………………………………………………………………………………

(c) Give one example of presentation software. *(01 mark)*

…………………………………………………………………………………………

14. (a) Give three benefits of connecting computer to the internet. (03 marks)

(i)…………………………………………………………………………………………

…………………………………………………………………………………………

(ii)…………………………………………………………………………………………

…………………………………………………………………………………………

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

…………………………………………………………………………………………

(b) Outline two disadvantages of connecting computers to the internet. *(02 marks)*

………………………………………………………………………………………………

………………………………………………………………………………………………

15. Explain why an organization would prefer to use Electronic Mail (E-mail) over ordinary mail. *(05 marks)*

(i)………………………………………………………………………………………

………………………………………………………………………………………………

(ii)………………………………………………………………………………………

………………………………………………………………………………………………

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

………………………………………………………………………………………………

(iv)………………………………………………………………………………………

………………………………………………………………………………………………

(v)………………………………………………………………………………………

………………………………………………………………………………………………

16. Outline five areas of self-employment that a sub ICT can engage in. *(05 marks)*

(i)………………………………………………………………………………………

(ii)………………………………………………………………………………………

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

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

(v)………………………………………………………………………………………

17. Use the terms below to complete the sentences that follow in (a)-(e) *(05 marks)*

- Slide animation
- Slides
- Animation effect
- Slide layout
- Slide design
- Slide show
- Slide master
- Handouts

(a) The visual presentation from one slide to another slide……………………………………………………………………………………

(b) The …………………………………………………………………….set up the way text/ objects appear on a slide during a presentation.

(c) The presentation of slide in a sequence on a projection screen is referred to a ……………………………………………………………………………………

(d) The …………………………………………………………..defines the arrangement of all items that make up a slide.

(e) A user can print the entire presentation on one page by printing the………………………………………………………………………………

18. (a) State one difference between a Compact Disc(CD) and Digital Versatile Disc(DVD).   *(01 marks)*

……………………………………………………………………………………………
……………………………………………………………………………………………
……………………………………………………………………………………………
……………………………………………………………………………………………
……………………………………………………………………………………………

(b) Explain the circumstances under which the following storage devices are used

(i) Memory card.   *(02 marks)*

……………………………………………………………………………………………
……………………………………………………………………………………………

(ii) Flash disk.   *(02 marks)*

……………………………………………………………………………………………
……………………………………………………………………………………………

19. (a) Describe the following terms in programming languages.

(i) Interpreters. *(01 mark)*

……………………………………………………………………………………………
……………………………………………………………………………………………

(ii) Syntax. *(01 mark)*

……………………………………………………………………………………………
……………………………………………………………………………………………

(iii) Debugging. *(01 mark)*

……………………………………………………………………………………………
……………………………………………………………………………………………

(b) Identify two characteristics of a good programming language. *(02 marks)*

……………………………………………………………………………………………
……………………………………………………………………………………………

20. Using the email address:**annet@gmail.com**, identify what these parts stand for.

(a)annet. *(01 mark)*

……………………………………………………………………………………………

(b) @ . *(01 mark)*
……………………………………………………………………………………………

(c)gmail *(01 mark)*

……………………………………………………………………………………………

(d) .com *(02 marks)*

……………………………………………………………………………………………
……………………………………………………………………………………………

END