Student name……………………………………………………Combination………..……

S850/1
Subsidiary ICT
Paper 1

2½ Hours

INTERNAL MOCK EXAMINATION – 2019

UGANDA ADVANCED CERTIFICATE OF EDUCATION

Subsidiary ICT

Paper 1

(Theory)

(Application of ICT Knowledge)

2 Hours 30 Minutes

INSTRUCTIONS TO CANDIDATES:

1. Write your name and combination in the spaces provided above.

2. Answer all questions in this paper.

3. The paper is made up of 20 equally weighed structured questions each carrying 5 marks

4. Answers must be written in the spaces provided

5. No additional answer sheets will be provided.

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

1. (a)Distinguish between **mail merge** and **word wrap word processing concepts**.
(2 marks)

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(b) State any **three** advantages of using electronic word processors.   (3marks)

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2. (a) What is **an e-mail**?   (2marks)

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(b)Below is a capture of an email window. Study it carefully and answer the questions that follow
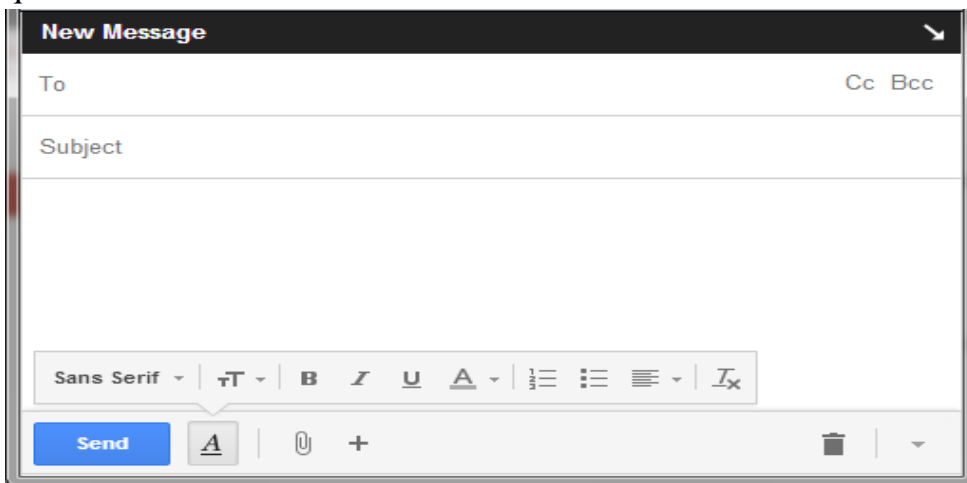
State the purpose of the following   (3marks)
   i.   To: …………………………………………………………………………

ii.   Subject: …………………………………………………………………………

iii.   🖉…………………………………………………………………………………

3. (a) Distinguish between **synchronous** and **asynchronous data communication**
    modes   (2marks)

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    (b) State **one** area in each case, where the following data transmission modes can
    be used.   (3 marks)

Mode of transmission	Area of application
Full duplex	
Half duplex	
Simplex	

4. (a) Distinguish between the **Output** and **output device**.   (2 marks)

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    (b) Why is the back-end of a desktop PC having the following?   (3 marks)
    i.   **Fans**………………………………………………………………………………

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

    ii.   **Ports**………………………………………………………………………………

          ....

   iii.   **Expansion Slots**……………………………………………………......

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5. (a) Distinguish between ROM and RAM.   (2 marks)

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(b) Data and information can be stored on a device in three major forms, that is, electronic, magnetic and optical. Give one examples of each form   (3 marks)

   i.   Electronic……………………………………………………………......

   ii.   Magnetic……………………………………………………………………

   iii.   Optical………………………………………………………………………

6. What is recent in the minds of most Ugandans in IT world is *digital migration*
   (a) Briefly describe the concepts of
     i.   **Digital divide**   (1 mark)

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       ………………………………………………………………………………

     ii.   **Digital migration**   (1 mark)

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(b)State **three** benefits Uganda has drawn from digital migration (3 marks)

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7. (a) Define **a web browser**   (1 mark)

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(b) Give **one** example of a web browser   (1 mark)

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(c) Briefly explain the following terms as used in internet based technology.
                                                                                       (3marks)

  i.   **Cloud computing**

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

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

  ii. **Handle**

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

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

  iii. **Social network**

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

……………………………………………………………………………………………….

8. (a) What is **a device driver**?   (1 mark)

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

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

    (b) State **two** peripheral devices that may require installation of a device driver
                                                                    (2 marks)

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    (c) Outline **two** examples of windows operating system.   (2 marks)

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9. Identify **five** ICT related employment opportunities in Uganda today. (5 marks)

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10. (a) Explain the following attributes of computers which make them dependable
    and reliable tools.   (2 marks)
    Diligence

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

…………………………………………………………………………………………………

Versatility

…………………………………………………………………………………………………

…………………………………………………………………………………………………

b) Outline any three ways in which ICT can improve the quality of education.

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11. (a) Differentiate between **a server** and **a client computer**   (2 marks)

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b) What is the function of each of the following network devices?   (3 marks)
   i.   **Switch**

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

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

   ii. **Router**

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

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

   iii. **Bridge**

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

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12. (a) Tick the three utility programs from the list below. (3 marks)

	TICK HERE
Antivirus software	
Web browser	
Data compressor	
Network operating system	
Uninstaller	

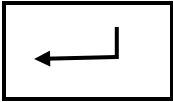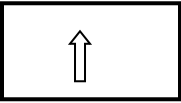b) State the function of any two utility programs you ticked above.   (2 marks)

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13. For each of the mode of the keyboard keys in the table below, write the true name of the key and its function   (4 marks)

Model of the keyboard key	Name of the Key	Function of the key
⏎		
⇧		

b) State *one* operational part of the computers keyboard   (01 mark)

……………………………………………………………………………………

14. Use the term below to complete the sentences that follow in (a)-(e). (05marks)

Slides transition   Slide layout
Animation effects   Slide design

Slide show   Handouts
Slide master

a. The visual movement from one slide to another slide is……………………

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

c. The presentation of slides in a sequence on a projection screen is referred to………………………………

d. The ………………………………………………defines the arrangement of all items that makes up a slide

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

15. A problem with some computers in the computer lab was reported to a lab technician. Two of the technician's recommendations were for the school to install gadgets to regulate temperatures, and also buying a woolen carpet for the computer laboratory.

(a)Suggest the gadget they can buy in order to regulate room temperature.(1 mark)
………………………………………………………………………………………

………………………………………………………………………………………

(b) Give **two** reasons to explain why the gadget suggested in 14(a) above is required in a computer room   (2 marks)
………………………………………………………………………………………

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(c) State **two** benefits of a woolen carpet in a computer laboratory.   (2 marks)

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16. (a) Define the following as used in the file management system.   (2 marks)
    i.   **File path**

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

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

    ii.   **File extension**

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

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

    (b) Using windows 7 operating system, outline the steps taken to create a

    folder in DOCUMENTS called **pre mock**.   (3 marks)

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17. (a) State *one* sign or symptom of an operating system failure in the computer
    system   (1mark)

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

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

    (b) State **two** examples of windows operating system.   (2 marks)

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

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

    (c) Apart from coordination of other computer resources give *two* other roles of
    the operating system in a computer system.   (2 marks)

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18. (a) Define the following terms in relation to computer memory   (2 marks)
    i.   **Storage drive**

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

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

    ii. **Access time**

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

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

    (b) How many songs will OOLA MOSES store on a memory stick labeled 4.2GB
    if each song is 512KB of size?   (3 marks)

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19. (a) Briefly describe the concept of computer ethics.   (2 marks)

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

    (b) State **three** unethical practices usually engaged in by ICT users. (3 marks)

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20. (a) Define **a computer virus**.   (3 marks)

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

(b) State **two** symptoms of computer that has been affected by a virus. (3 marks)

……………………………………………………………………………………………

……………………………………………………………………………………………

(c) State **two** ways of preventing virus attack on a personal PC.   (3 marks)

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END