Name: _____ **Index No**: _____

Total Mark: _____

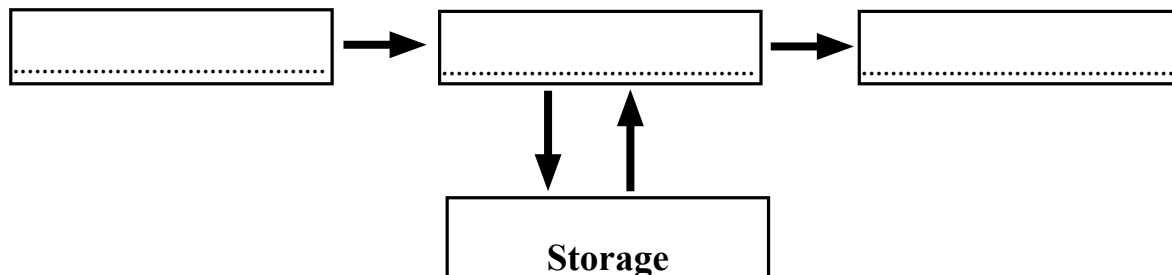*S850/1*
Sub ICT
Theory Paper
2 Hrs: 30 Min

UGANDA ADVANCED CERTIFICATE OF EDUCATION
INFORMATION AND COMMUNICATIONS TECHNOLOGY (ICT)
(Subsidiary Paper)
Paper One (Theory)
S850/1
2 Hours 30 Minutes

INSTRUCTIONS TO CANDIDATES:

a). *Attempt **ALL** questions in this paper.*
b). *The maximum time allocated to this paper is 2 hours and 30 minutes.*
c). *This paper is made up of 20 compulsory and equally weighted questions.*
d). *Write all your responses in dark blue or black ink in the spaces provided.*
e). *All answers should be written in the spaces provided. No additional material will be provided to the candidate.*
f). *Unity work will lead to automatic loss of marks.*

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1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	TT

1. (a). Label the following illustration to show a meaningful information processing cycle. (03 marks)

```
┌──────────────────┐     ┌──────────────────┐     ┌──────────────────┐
│                  │ ──> │                  │ ──> │                  │
│ ................ │     │ ................ │     │ ................ │
└──────────────────┘     └──────────────────┘     └──────────────────┘
                              │      ↑
                              ↓      │
                         ┌──────────────┐
                         │   Storage    │
                         └──────────────┘
```

(b). State any **two** ways how computers impact on society negatively. (02 marks)

....

....

2. (a). Prepare a list of **two** activities you would carry out while maintaining a computer at home. (02 marks)

....

....

(b). You have discovered that your PS/2 mouse has a problem and you have to carry out the following to fix it.

- Restart your computer.
- Check whether the mouse is well connected.
- Connect the mouse.
- Clean, check for any problem with the mouse.
- Glide the mouse on the pad to test the correction.

Produce a list of the first **three** steps you would carry out to have your mouse work again. (03 marks)

....

....

....

3. (a). Distinguish between a **file** and **folder**. (02 marks)

....

....

(b). Identify **one** example of an application program that is associated with the following file extensions. (02 marks)

File extension	Example
.docx	....
.jpg	....

(c). A file has a path **E\SUBICT\RESOURCEFUL\S850-1.pdf.** If it is copied onto may computer's desktop, what will be the new file path? (01 mark)

....

....

4. (a). Define the term computer **hardware**. (02 marks)

....

....

(b). Identify the following hardware components. (02 marks)

....	Fig. 2	....	Fig. 3

(c). State **one** function of a hardware component labeled figure 2. (01 mark)

....

....

5. (a). You have deleted a computer file accidentally. State **two** ways how you would recover the file from your recycle bin. (02 marks)

....

....

(b). State **three** causes of computer file loss in a laboratory. (03 marks)

....

....

....

6. (a). Study the items provided below and carefully, re-write a correct classification in the table following. (03 marks)

Ms. Excel, Adobe Collection, Paint Brush, Office 2016, Mozilla Firefox.

Software Package	Software Suit
(01 mark)	(01 mark)

(b). Explain the major purpose of a software driver. (02 marks)

....

....

7. (a). Distinguish between **Internet** and **WWW**. (02 marks)

....

....

(b). You are given this link:

https://www.jegsworks.com/lessons/computer_basics/lessons.html

Identify:

(i). The **protocol**. (01 mark)

....

(ii). **Host name**. (01 mark)

....

(iii). **First directory**. (01 mark)

....

....

8. (a). Point out **three** practical innovations in the banking sector that have simplified work. (03 marks)

....

....

....

(b). State **two** dangers of computer viruses to files. (02 marks)

....

....

9. (a). Write a criteria that will be used to return **year** of birth that is after 1989 from the **Date of Birth** field. (02 marks)

....

....

(b). List **three** features of an electronic word processor. (03 marks)

....

....

....

10. (a). Identify from the list provided items you would need while servicing a computer at home. (02 marks)

Woolen Carpet, Blower, UPS, Screw Driver, Power Supply Unit

....

....

(b). State **three** components that you would replace / upgrade to improve performance of a computer. (03 marks)

....

....

....

11. (a). You would wish to transfer 600 files and each is 400MB in size. How many compact discs of 700MB capacity would you need for the task? (03 marks)

....

....

....

....

(b). State **two** reasons why LCD monitors are more common today. (02 marks)

....

....

12. (a). Define the term **computer software**. (02 marks)

....

....

(b). State **three** branches of computer system software. (03 marks)

....

....

....

13. (a). Define a **network protocol**. (01 mark)

....

....

(b). Describe the following networking hardware devices:

(i). **Bridge**.   (02 marks)

....

....

(ii). **Firewall**.   (02 marks)

....

....

14. Write an appropriate word in the table provided, to make each statement meaningful.

Freeware, Shareware, Updating, Un-install, Portability, Public Domain Software

Response	Item
....	Copy righted software provided on a trial basis.
....	A user can remove an application program from a computer.
....	Is one of the features of a good computer program.
....	Software provided generally to all users by the developer for use.
....	An anti-virus program shall be effective when a user periodically adds new virus definitions.

15. (a). Give **two** characteristics of impact printers.   (02 marks)

....

....

....

(b). State **two** functions that are carried out by the *Arithmetic Logic Unit*. (02 marks)

....

....

(c). Identity **one** hardware component that is used while billing a customer at a counter in a supermarket. (01 mark)

....

16. (a). State **one** use of the following:

 (i). **Application program**. (01 mark)

 ....

 ....

 (ii). **Software upgrade**. (01 mark)

 ....

 ....

 (b). Prepare a list of **three** system requirements you would consider before buying a software program. (03 marks)

 ....

 ....

 ....

17. (a). State **two** ways you would safeguard computer software from damage. (02 marks)

 ....

 ....

 (b). List **two** elements in the control panel that help in the process of software implementation and maintenance. (02 marks)

 ....

 ....

 (c). Write **one** way genuine computer software can be obtained. (01 mark)

 ....

18. (a). Define a **desktop publication**. (02 marks)

....

....

....

(b). State **two** data types that can be recorded in a spreadsheet program. (02 marks)

....

....

(c). Give **one** activity that a user can benefit from using a presenter view mode while projecting his / her speech. (01 mark)

....

19. (a). Describe **one** function carried out by a:

(i). **Programmer**. (02 marks)

....

....

(ii). **Technician** (02 marks)

....

....

(b). Name **one** health challenge a computer user is bound to face. (01 mark)

....

....

20. (a). Give **two** advantages of using mobile networks. (02 marks)

....

....

(b). State **three** elements of data communication. (03 marks)

....

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END