

Name: [REDACTED]

[REDACTED]:.....

Signature:

S850/1
Subsidiary ICT
Paper 1
[REDACTED]
2 ½ hours

Uganda Advanced Certificate of Education



SUBSIDIARY ICT
Paper 1
2 Hours 30 Minutes

INSTRUCTIONS TO CANDIDATES:

*Attempt **ALL** questions in this paper.*

This paper is made up of 20 compulsory and equally weighted questions.

Write all your responses in dark blue or black ink in the spaces provided.

All answers should be written in the spaces provided. No additional material will be provided to the candidate.

Unity work will lead to automatic loss of marks.

FOR OFFICIAL USE ONLY					
1			11		
2			12		
3			13		
4			14		
5			15		
6			16		
7			17		
8			18		
9			19		
10			20		
				Total	

1. ICT has had an impact on the way that many organisations operate.

(a)(i) Identify three positive effects on organisations resulting from the widespread use of ICT. **(02 marks)**

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.....

(b) ICT has also impacted on society. One effect is a widening gap between

‘information rich’ and ‘information poor’ societies. Outline any two factors that have contributed to this widening gap. **(02 marks)**

i.....

.....

ii.

.....

.....

2. Kimatha Peter had saved her work as ICT.xls in a folder named WORK on the desktop on drive C. Assuming the current user account currently logged into was STUDENTS.

a) Write the full path of the file ICT.xls

.....**(02 marks)**

b) Choose the appropriate file extension from the list given for sentences

b (i) - b (iii)

.txt .tif .pps .sys .ppt

i. Program files that perform fundamental operations in a computer.**(01 mark)**

ii. A Plain file created using Note pad

(01 mark)

- iii. A power point slide show file saved on desktop.....

(0 1mark)

3. State **two** non-physical measures you would take to ensure safety of computers in your school.

(02 marks)

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.....

- (b). Outline **two** tools needed to service a computer.

(02 marks)

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.....

- (c). Give one reason why computer configuration is necessary.

(01 mark)

.....
.....

4. Security on a computer can be provided directly by the Operating system or by using utility programs.

(a) Utility programs include Antivirus, File transfer, Firewall, system clean up and many more. State which two of these utilities can provide security to a computer. **(02**

marks)

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.....

(b) Outline two ways an operating system can provide additional security to a computer system.

(02 marks)

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.....

(c) List one example of a network operating system.

(01 mark)

.....

5. Complete the table below with **one** appropriate use of the following hardware devices.

Hardware Device	Appropriate Use
External Hard disk	
Printer	
Optical Mark Reader	
Keyboard	
A4 Scanner	

6. (a) Describe the step by-step process you may take to change the systems date and time on a computer running windows operating system. **(03 marks)**

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.....

- (b) Identify any two practical applications of a screen saver. **(02 marks)**

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.....

7. (a) Use the following URL to answer the questions below:
<http://www.utec.net/administrators>

- (i) What is the domain name?
(01 mark)

.....

- (ii) Which is the top level domain in the URL? **(01 mark)**

.....
...

- (b) Give any two factors that you would put in mind before you choose an internet service provider.

(02 marks)

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.....

- (c) Identify one example of a service provided by an internet service provider.

.....

(01

mark)

8. (a) Explain the uses of the following functions as used in spread sheets.

IF

(01

mark)

.....
.....

Max

(01

mark)

.....
.....

V Look up

(01

mark)

.....
.....

- (b) Outline any two practical applications of spreadsheets in business.

(02 marks)

.....
.....

9. Tick TRUE or FALSE next to each of these statements which describe the use of e-mail compared to the normal postal service.

(05 Marks)

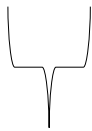
	TRUE	FALSE
E-mails can only be sent using a post office.		
E-mails can be delivered to a person with a post office address		
Emails are delivered within two hours after being sent.		
A URL is used to send and receive emails		
E-mails keep a record for future reference.		

10. Complete each sentence below using one item from the list. **(05marks)**

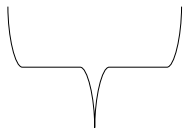
**A bridge A hub A modem A proxy
server A switch**

- (i)does not manage any data traffic through it.
- (ii)forwards data packets to computers and printers.
- (iii)can be a major component of a firewall.
- (iv)usually only has two parts.
- (v)Converts Analog to digital signals

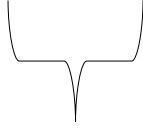
11. a) Identify the parts that make up the URL below.
<https://www.facebook.com/utec2018papers>



(a)



(b)



(c)

a).....
(01 mark)

b)

.....

(01 mark)

c).....**(01 mark)**

b) Outline any **two** types of websites you know.

(i)
.....

(01 mark)

(ii)
.....

(01 mark)

12. (a) Explain the use following fields when composing email.

(i) TO **(01 mark)**

.....

.....

(ii) CC **(01 mark)**

.....

.....

(iii) SUBJECT **(01 mark)**

.....

.....

(b) Outline any two mail etiquette rules that should be followed when composing emails.

(02 marks)

(i)
.....

(ii)
.....

13. (a) What is a computer network?
(02marks)

.....
.....

(b) (i) Outline two benefits of networking computers.
(02 marks)

i)

ii)

(ii) Outline one demerit of networking computers in a
school computer laboratory?
(01mark)

i)

14. a) The database below contains data about items that have
been ordered from various suppliers.

Supplier	Code	Delivery Date	Price (S)
AD12	2146	28/09/07	44.99
CO35	3724	30/09/07	249.50
MO18	5613	05/10/07	98.15
LO47	561	11/10/07	102.75

	3		
PO29	721	17/10/07	127.50
	5		
RO16	463	19/10/07	22.89
	9		

State the data types of the fields in the given table?

(04marks)

(i) SUPPLIER

.....

(ii) CODE

.....

(iii) DELIVERY DATE

.....

(iv) PRICE

.....

b) The following search condition is input? **(01mark)**

CODE = 5613 AND PRICE (\$) < 100

Write down the output using only the SUPPLIER field?

.....

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.....

15. Give the role played by the following ICT professionals.

(i) Website designer

(01 mark)

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(ii) Computer Technician

(01 mark)

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(iii) Network Administrator (01
mark)

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(iv) Software developers (01
mark)

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(v) Database administrators (01
mark)

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16. (a) Give the difference between Guided media and
Unguided media as used in
data communication. (02
marks)

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(b) Outline **three** examples of manual data communication tools. **(03 marks)**

- i)
- ii)
- iii)

17. (a) Explain the meaning of computer security.
(01 mark)

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(b) List any two attacks possible on the Internet and other networks and solution to them.

(i) Attack **(01 mark)**

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Solution **(01 mark)**

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(ii) Attack **(01 mark)**

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Solution
(01 mark)

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18. Give one (01) practical application of the following emerging technologies in the world of computing today.

(i) Artificial intelligence **(01 mark)**

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(ii) Cloud computing
(01 mark)

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(iii) Digital forensics **(01 mark)**

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(iv) Virtual reality (01 mark)

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.....

(v) Robotics (01 mark)

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19. (a) Describe what **privacy** is as used in Information and Communication Technology. (02 marks)

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(b) Explain **four** ways ICTs have invaded people's privacy both at work and for personal activities? (03 marks)

- i.
- ii.
- iii.
- iv.

20. The control panel of any windows operating system performs a number of functions.

Explain any five features within the control panel that enables you to manage your computer system.

(05 marks)

(i)

(ii)

(iii)

(iv)

(v)

END