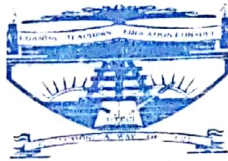


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S850/1
Subsidiary ICT
Paper 1
July/August, 2019
2 ½ hours



UGANDA TEACHERS' EDUCATION CONSULT (UTEC)

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.

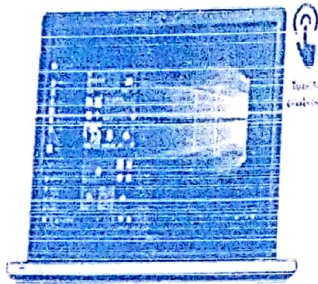
Write all your responses in dark blue or black ink in the spaces provided.

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		

1. Rebecca is a lawyer who recently bought the laptop advertised below. She will use the laptop to research cases, communicate with clients and colleagues, and write case notes during her daily commute.



Dell Inspiron 15 15.6" FHD Touchscreen Laptop, Intel Core i7-6500U up to 3.1GHz, 12GB Ram, 1TB HDD, DVDRW, Backlit...

by Dell

\$699.00 Prime (4-5 days)

FREE Shipping on eligible orders
Only 1 left in stock - order soon.

★★★★★ 1

- Display Size: 15.6 inches
- Computer Memory Size: 12.0 GB
- Operating System: Windows 10
- Hard Disk Size: 1.0 TB
- Cpu Model Family: core i7

(a) State the processor power for the Laptop? (01 mark)

(b) Identify the amount of secondary storage in this computer system.

..... (01 mark)

(c) A lot of the data Rebecca will store on her computer is sensitive, and she is concerned about data security while travelling. List three measures Rebecca could take to protect the data from unauthorized access. (03 marks)

(i)

(ii)

(iii)

2. **Mobile phones** have become common ICT devices. Explain five powerful capabilities that come with smart phones and are unique from basic phones. (05 marks)

(i)

(ii)

(iii)

(iv)

(v)

3. (a) The Uganda Communication Commission talks about Digital Migration to citizens. Explain the meaning of Digital Migration. (02 marks)

.....
.....

- (b) Explain **three** ways ICT has affected the environment we live in. (03 marks)

- i.
ii.
iii.

4. John was asked to send pictures of his Wedding Ceremony to friends abroad. He had to compress the folders using a file compression utility.

- (a) Explain the difference between **lossy** data compression from **lossless** data compression. (02 marks)

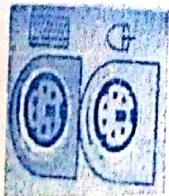
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- (b) Outline **three** operations that can be performed on a folder. (03 marks)

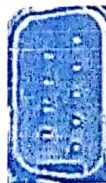
- i.
ii.
iii.

5. (a) Identify the computer ports above from the list below: (03 marks)

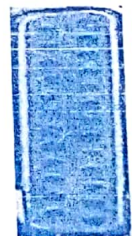
(i)



(ii)



(iii)



(i)

(ii)

(iii).....

- (b) During a computer ICT practical, Mary complained about her Keyboard which stopped working. Identify any **two** troubleshooting techniques that would be employed to have the keyboard work again. (02 marks)

i.

ii.

6. (a) What is meant by the term **computer software**? (02 marks)

.....
.....
.....

- (b) Explain with examples the following categories of application software.

- (i) Freeware

(01 marks)

.....
.....

- (ii) Shareware

(01 marks)

.....
.....

- (e) State any **one** role played by system software.

(01 mark)

.....
.....

7. The head teacher announces to staff that the secretaries are going to start using computer-based word processors instead of typewriters.

- (a) Give **two** reasons why this change may worry some secretaries and staff.

(02 marks)

(i)

(ii).....

(b) Identify *two* editing features used in word processing. (02 marks)

(i)

(ii)

(c) Apart from Microsoft office word, state *one* example of word processing packages you know. (01 mark)

(i)

8. Complete each of the sentences below using one item from lists.

Hard copy

Interpreters

Syntax

Netiquette

VP Planner

MS-Access

i.refers to rules of programming languages

that specify how words and symbols are put together. (01 mark)

ii.is a set of social guidelines that facilitate

interactions over networks like the internet. (01 mark)

iii.refers to the permanent copy in form of

tangible object of any media suitable for direct use by a person. (01 mark)

iv.are programs that translate source codes

line by line while the program is running. (01 mark)

v.is application software that enables the

computer user to carryout calculations. (01 mark)

9. With reference to presentations. Use the terms below to complete the gaps.

Slide layout

Placeholders

Design template

Auto content wizard

Multimedia

Transitions Animations

Master layout

i.is a special step by step guiding feature which is the
quickest way to start a presentation for beginners. (01 mark)

ii.are boxes with dotted or hatch-marked borders

that are part of most slide layouts. (01 mark)

- iii. is carefully integrated use of text, graphics, audio, animation and video to convey information. (01 mark)
- iv. is an already created and formatted product that you can use to quickly perform a task. (01 mark)
- v. is the given design of a slide showing divisions or areas or sections of the slide where work can be done. (01 mark)
10. (a) Explain the meaning of the following concepts in relation to electronic communication. (01 mark)
- (i) Website
.....
.....
- (ii) Cookies
.....
.....
- (b) After connecting to the school's wireless LAN using his personal laptop, Mr. Caleb complained about the slow speed at which his E-mail was opening: As an ICT student suggest **three** possible causes of the problem reported by Mr. Caleb. (03 marks)
- i.
- ii.
- iii.
11. (a) Under what circumstances may one opt for a flash disk to a compact disk? (02 marks)
- i.
- ii.
- (b) Why may a floppy disk be write protected? (02 marks)
- i.
- ii.

128GB



(c) which of the media above is a category of solid-state storage?(01 mark)

12. (a) Define the term Desktop publishing Software (DTP). (02 marks)

.....
.....

(b) Outline *three* publications created using Desktop publishing Software. (03 marks)

- i.
- ii.
- iii.

13. (a) State the nature of the following electronic spreadsheet references. (03 marks)

- i. D1:
- ii. \$D1:
- iii. \$D\$1:

b) State *two* parts of an electronic spreadsheet function. (02 marks)

- i.
- ii.

14. (a) Assuming that you are going to do some internet-based research. Give *three* internet-based tools that can help you to carry out your research. (03 marks)

i.

ii.

iii.

- (b) Outline any *two* examples of on-line storage facilities. (02 marks)

(i)

(ii)

15. (a) State *one* reason to explain why it is not advisable to set number as the Data type for the "phone Number e.g. 0750112233" field. (02 marks)

- (b) Give *two* inbuilt tools that can be applied in electronic databases to avoid data redundancy. (02 marks)

(i)

(ii)

- (c) Outline *one* example of a Database object. (01 mark)

(i)

16. Indicate **TRUE** or **FALSE** against each of the following statements in the table below;

STATEMENT	True or False
Bluetooth is a wireless long-distance communication media	
Cloud computing provides Software applications and data storage	
FTP is an example of a communication protocol	
Google is a web browser	
LAN is a network that connects computers within a small geographical area.	

17. (a) Suggest **three** ways Government is putting in place to curb the increasing problems arising from social media usage by the youth today. (03 marks)

(i)

(ii)

(iii)

(b) Outline any **two** examples of social media platforms. (02 marks)

(i)

(ii)

18. (a) Outline any **three** major sections on a keyboard. (03 marks)

(i)

(ii)

(iii)

(b) State **two** ways in which ergonomics may be observed in the computer laboratory. (02 marks)

(i)

(ii)

19. (a) Explain what is meant by a computer Virus? (02 marks)

.....

.....

(b) Outline **two** ways in which computer viruses are transmitted. (02 marks)

(i)

(ii)

(c) State **one** example of an anti-virus software. (01 mark)

.....

(05 marks)

20. Tick *five* features of a presentation software?

FEATURE	TICK
Spelling	
Cells	
Action button	
Word wrap	
Slide sorter view	
Auto complete	
Master slide	
Drop cap	
Module and macros	
Transition Loop	

END