

Name: _____ Index No. _____

School: _____ Signature _____

S850/1
Subsidiary Information and
Communication Technology
PAPER 1
July / August 2014
2 ½ hours



WAKISSHA JOINT MOCK EXAMINATIONS

Uganda Advanced Certificate of Education

SUBSIDIARY ICT

Paper 1

2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

- *The paper is made up of 20 equally weighted questions.*
- *Answer all questions in this paper.*
- *All answers should be written in dark blue or black ink in the spaces provided on the question paper.*
- *No additional answer sheets should be inserted.*

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	Total

1. (a) As information technology is developing, it has reached an extent that it is now applicable in all sectors including Education. Give three specialized ways ICT is applied in schools. (03marks)

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- (b) Give **two** disadvantages of using Information and Communication Technology in schools. (02marks)

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2. (a) Outline **three** causes of fire accidents in a computer lab. (03marks)

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- (b) State **two** ways how fire outbreak can be prevented in the computer lab. (01mark)

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- * 3. (a) Define the term computer peripheral? (2marks)

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- (b) Give **three** examples of computer peripheral devices. (03marks)

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4. Tick five devices from the list below which can be used to connect computers in a net work. (5marks)

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Hub	
Printer	
Projector	
Switch	
Bridge	
Reapeter	
Rj 45 connector	
Monitor	

5. Below is a spread sheet of a shop keeper that was used to calculate his profits. (5marks)

	A	B	C	D	E	F	G
1	Producer	Food type	Number in stock	Cost price	Selling price	Selling price	Total profit
2	Loge kks	Potato flakes	123	\$ 2.30	\$ 2.90	\$ 0.60	\$ 73.80
3	Square branch	Chocolate	158	\$ 0.75	\$ 0.95	\$ 0.20	\$ 31.60
4	Roofs	Beef buggers	135	\$ 1.25	\$ 1.55	\$ 0.30	\$ 40.50
5	Kapats	Grary	89	\$ 3.20	\$ 3.95	\$ 0.75	\$ 66.75
6	Startle	Cream	119	\$ 1.50	\$ 1.85	\$ 0.35	\$ 41.65
7							
8		Total in stock	624		Overall profit		\$254.30

- a) Give the cell reference of the cell that contains 158

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- b) Give the cell reference of a cell that contain a label.

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- c) Write down the formular used in cell F5.

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- d) Write down the formular used in cell G2.

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- e) State spread sheet feature used in the cells where the word "overall profit" is

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6. Computers nowadays are connected to the internet to enhance communication. List five requirements needed for connecting to the internet.

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Turn Over

7. a) Explain the following terms in relation to information processing. (02marks)
- i) Batch processing.
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- ii) Real time processing. (02marks)
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- b) Name **one** example where Batch processing can be used in the school environment. (01mark)
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8. a) Most computer files are made up of a file name and file extensions.
- i) What is the importance of a file extension? (02marks)
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- ii) Write down the file extension for micro soft excel file. (01mark)
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- b) Mr. Nagamanaga deleted a file accidentally. Give **two** ways how he can recover this file. (02marks)
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9. a) Differentiate between a type writer and word processor. (02marks)
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- b) Outline **three** advantages of word processor over a type writer. (03marks)
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10. Explain the following terms in relation to the internet. (05marks)

i) Search Engine.

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ii) Website

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iii) Web browser.

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iv) Hyperlink.

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v) E-mail

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11. a) Today computers are widely used starting from a simple house hold to space technology. Give **two** specialized applications of computers in education. (02marks)

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b) Outline **three** health problems resulting from using computers for a long time. (03marks)

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12. a) Define the term protocol. (02marks)

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b) List down **three** examples of communication protocols. (03marks)

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13. a) Distinguish between synchronous and asynchronous modes of data transmission. (02marks)

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b) Describe **three** services offered by data communication tools. (03marks)

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14. Write the following abbreviations in full. (5marks)

i) POP

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ii) BIOS

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iii) HTTP

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iv) UPS

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v) LSI

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15. a) Define the following in relation to computers, (02marks)

i) Cold booting.

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ii) Warm booting.

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b) Under what circumstances may a person perform warm booting? (03marks)

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16. Tick either True or False.(05marks)

	TRUE	FALSE
ROM is volatile memory		
A CD has bigger capacity than DVD		
A byte is a set of 8 bits		
HTML is a file type for internet.		
ADA is a high level language.		

17. State any **five** unique features of the modern computer. (5marks)

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18. Mr. K the head teacher of a certain school, purchased a laptop computer. He wants to use it for internet connectivity.

a) Identify **one** additional item he would need to buy in order to do this.

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Turn Over

b) Give **two** advantages and disadvantages of internet shopping.

i) Advantages

(02marks)

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ii) Disadvantages.

(02marks)

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19. a) The system Administrator of Kakuru college school was advised to change his system of collecting data manually to electronic system using data base management soft ware. Give **two** examples of data base management soft ware the school can us. (02marks)

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b) Distinguish between a field and record as used in data bases. (02marks)

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c) Give **one** importance of a primary key in the data base. (01mark)

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20. The table below shows the different forms of application soft ware. Use Yes or No to full the blank spaces.

	Free of charge	Copy inflicted	Tailor made
Custom soft ware	No	Yes	
Free ware		Yes	No
Shore ware		Yes	No
Public domain soft ware	Yes		No
Packaged soft ware	No	Yes	

END