

Name _____ Index No _____

School _____ Signature _____

S850

**Subsidiary information and
Communication Technology**

PAPER 1

July/August 2017

2 1/2 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) Differentiate between green computing and cloud computing.(01 mark)

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b) State **four** elements of green computing. (04 marks)

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2. The booting process has got several backend processes to the attainment of the computers run time environment.

a) Explain **three** backend booting processes. (03 marks)

(i).....

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(ii).....

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(iii).....

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(b) Give **two** situations that can necessitate a computer system reboot.

(02 marks)

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

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b) Give **two** rules that must be followed whenever naming a file or folder. (02 marks)

(i).....

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(ii).....

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c) Write a saving criteria for Ms PowerPoint file 2003 “mocks” in a folder called Wakissha which is located on local drive D. (01 mark)

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4. a) State **two** reasons why an alarm system is important in a computer laboratory. (02 marks)

(i).....

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(ii).....

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b) Give **three** reasons for servicing computers. (03 marks)

(i).....

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(ii).....

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(iii).....

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5. a) Distinguish between Editing and proof reading. (02 marks)

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b) Explain **three** editing features used in word processing. (03 marks)

(i).....

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(ii).....

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(iii).....

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6. a) What is the difference between a buffer and a register? (02 marks)

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b) List down **three** characteristics of main memory. (03 marks)

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7. a) Define the term Service utility. (02 marks)

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b) Write brief notes about the following terms.

(i) Disk defragmentation. (01 mark)

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(ii) Disk partitioning. (01 mark)

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(iii) Disk compression. (01 mark)

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8. The following is a sample of a payroll. The work sheet row and column readings are marked 1, 2, 3.....and A, B, C.....respectively

	A	B	C	D	E	F	G	H
1	NAME	HOURS WORKED	PAY PER HOUR	BASIC PAY	ALLOWANCES	GROSS PAY	TAX DEDUCTION	NET PAY
2	MUGAGGA	12	1500					
3	BOKIRO	28	650					
4	SSENTONGO	26	450					
5	KABANDA	30	900					
6	KANNEMU	18	350					
7	TEBYASA	22.5	500					
8	WANYAMA	17	250					
9	MAGUFULI	33	180					
10	TOTALS							

Use the following expression to answer the questions that follow:

- Basic pay = Hours worked x pay per hour.
- Allowance is allocated at 10% of basic pay.
- Gross pay= Basic + Allowances.
- Tax deductions are calculated at 20% of gross pay.
- Net pay=Gross pay- Tax deduction.

Write formula using a cell references for the following. (05 marks)

a) D2.....

b) E4.....

c) F9.....

d) G7.....

e) H5.....

9. a). Define data communication. (02 marks)

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b). Differentiate between Network protocol and internet protocol.

(02 marks)

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c). Explain the role of the telephone line in internet connectivity?

(01 mark)

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10. Write true or false for the following statements. (05 marks)

	Statement	True/False
(i)	The more the pixel per square inch on a computer monitor, the higher the resolution.	
(ii)	Dot matrix printers produce better images than inkjet printers.	
(iii)	A PDA is larger than a Desktop computer.	
(iv)	A number pad is used to enter a PIN	
(v)	A graphical user interface uses icons to represent application	

11. a) Briefly explain the following terms as used in internet based technology.

(i) Handle. (01 mark)

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(ii) Blog. (01 mark)

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(iii) Wiki. (01 mark)

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b) Write the following in full. (02 marks)

a) LED;

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b) AGP;

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12. a) What is a social networking website? (01 mark)

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b) List two examples of social networking websites. (02 marks)

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c) State two disadvantages of social networking websites. (02 marks)

(i).....

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(ii).....

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13. Use the phrases in the list below to complete the statements. (05 marks)

- Public domain software
- Share ware
- Customized Software
- Firm ware
- Command line interface
- Graphical user interface
- Object code
- Simplex channel

a).....is a single directional communication method.

b) Programs tailored to meet particular users' needs are.....

c).....is a software donated freely and has no copyright restrictions.

d). A stored logic is also referred to as.....

e). The interface that represents more pictures on the screen is.....

14. a) Define information privacy. (01 mark)

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b) State **two** symptoms of computer virus. (02 marks)

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c) Mention **two** precautions taken to control computer viruses. (02 marks)

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15. a) Define group ware. (01 mark)

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b) Differentiate between a hard bounce and a soft bounce as applied to emails. (02 marks)

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c). Mention **two** dangers of using computers to enhance telecommuting. (02 marks)

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16. a) Distinguish between the following ICT securities related concepts.

i) Cracking and hacking. (01 mark)

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ii) Eavesdropping and denial of service attack. (01 mark)

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iii) Virus and a worm. (01 mark)

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iv) Digital forensics and artificial intelligence. (01 mark)

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b) Give **one** example of biometric devices. (01 mark)

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17. a) Define desktop publishing. (01 mark)

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b) Explain the following graphic terms. (02 marks)

i) Rotate.

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ii) Crop.

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c) Name **two** examples of desktop application. (02 marks)

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18. a) Distinguish between expansion slots and expansion cards as applied in ICT. (02 marks)

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b) Give **two** examples of expansion cards. (02 marks)

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c) Give **one** function of a bus. (01 mark)

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19. a) Define the term machine cycle. (01 mark)

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b) Briefly explain the **four** stages involved in the machine cycle. (04 marks)

(i).....
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(ii).....
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(iii).....
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(iv).....
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20. a) Explain the meaning of the term “Attenuation in relation to data transmission. (01 mark)

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b) Mention **two** cases that may bring about attenuation in communication networks. (02 marks)

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c) Give **two** differences between guided and unguided communication. (02 marks)

(i).....
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(ii).....
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END