

Name: _____ IndexNo. _____

School: _____ Signature _____

S850/1
Subsidiary Information and
Communication Technology
PAPER 1
July/August 2017
2½ 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** backed 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 a folder. (02 marks)

(i)

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- (ii)
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- c) Write a saving criteria for MS power point file 2003 “mocks” in a folder called Wakissha which is located on a local drive D. (01 marks)
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4. a) State **two** reasons why an alarm system is important in a computer laboratory. (02 marks)
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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 the 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 pay roll. 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	ALLOWANCE	GROSS PAY	TAX REDUCTION	NET PAY
2	MUGAGGA	12	1500					
3	BOKIRO	28	650					
4	SENTONGO	26	450					
5	KABANDA	30	900					
6	KANNEEMU	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 copy = Hours worked x pay per hour.
- Allowance is allocated at 10% of basic pay.
- Gross pay = Basic pay + Allowances.
- Tax deductions are calculated at 20% of gross pay.
- Net pay = Gross pay – Tax deduction.

Write formula using 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)

	Statements	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 ink jet 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 applications.	

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

- (i) Handle. (01marks)

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- (ii) Blog. (01marks)

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- (iii) WIKI (01marks)

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b) Write the following in full (02 marks)

LED;

AGP;

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)

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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 copy right 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 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. (01 mark)

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 publication. (02 marks)
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18. a). Differentiate 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)
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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)
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END