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S850
Subsidiary information and
Communication Technology
PAPER 1
July/August 2018
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.   Distinguish between Optical Character Recognition Reader (OCR) and Optical Mark Recognition Reader (OMR).   (2 marks)

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b) Explain **three** advantages Optical Mark Recognition Reader (OMR) over Optical Character Recognition Reader (OCR).   (3 marks)

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2. a) Define the term web portal.   (1 mark)

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b) Suggest **two** applications of ICT in each of the following areas

i) Transport.   (2 marks)

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ii) Business.   (2 marks)

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3.   Ali wants to back up his data

a)   Give **two** reasons why making a backup is necessary. (2 marks)

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b)   Ali thinks that making backup will prevent his data from getting virus. Give **one** reason to support his answer.   (1 mark)

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c)   Suggest **two** ways of controlling viruses.   (2 marks)

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4. a) Differentiate between copying and moving in relation to file management.

(2 marks)

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b) Give **two** properties of a folder.   (2 marks)

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c) Suggest keyboard buttons one presses to close any file open without clicking on the close button.   (1 mark)

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5. a) Define the term burglar proofing.   (1 mark)

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b) Give **two** reasons for burglar-proofing.   (2 marks)

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c) Identify **two** computer hardware threats.   (2 marks)

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6. a) Mention **two** causes of system failure. (2 marks)

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b) State the difference between software upgrade and software update.

(2 marks)

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c) Give **one** way system failure can be controlled. (1 mark)

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7. a) Differentiate between traditional and electronic spreadsheets. (1 mark)

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b) Mention **two** qualities of a good graph. (2 marks)

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c) Mention **two** disadvantages of electronic spreadsheet. (2 marks)

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8. a) Differentiate between standard and In-house packages. (2 marks)

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b) Suggest the functions of the following utility programs.

i) Diagnostic utility. (1 mark)

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ii) Screen saver. (1 mark)

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c) Give **one** example of customized application software. (1 mark)

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9. a) Define a firewall. (1 mark)

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b) Give **two** advantages of using an internet at home. (2 marks)

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c) You are given the following URL; www.wakissha.ug

Identify

i)   .ug (1 mark)

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ii)   .wakissha (1 mark)

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10. Many companies use video conferencing instead of face to face conferencing.
a)   Mention **three** advantages of video conferencing. (3 marks)

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b)   Explain **two** disadvantages of video conferencing.   (2 marks)

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11.a) Differentiate between transition loop and slide sorter facility.   (2 marks)

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b) Explain t**hree** qualities of a good presentation.   (3 marks)

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12.Write short notes on each of the following in relation to data communication.

i)   Attenuation   (1 mark)

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ii)   Multiplexing.   (1 mark)

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iii)   Band width.   (1 mark)

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iv)   Half duplex.   (1 mark)

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v)   Repeater.   (1 mark)

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13. The following spreadsheet shows the 2 night Bargain Break holiday bookings during the three month period

	A	B	C	D	E	F
1	2 NIGHT BARGAIN BREAK HOLIDAY BOOKINGS					
2						
3	Price at					
4		BOOKINGS				
5	Hotel	Nov	Dec	Jan	Total booking	Income
6						
7	Beach resort	3	3	1	9	900
8	Oriented Hotel	7	8	5	20	2000
9	Palasa Hotel	8	9	8	25	2500
10	Orchard Inn	6	6	3	15	1500
11	Grande Hotel	2	5	3	10	1000
12						
13	Total bookings	26	33	20	79	7900

a) Write down a formula that could be in cell F7 to calculate the income for the hotel named Beach Resort. (1 mark)

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b) Describe how the formula in B13 can be copied into the cells C13, D13, and E13. (2 marks)

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c) State the cell addresses that are needed to create a bar chart showing the total booking for each of the hotels. (2 marks)

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14. Suggest **five** services that can be provided an ATM machine. (5 marks)

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15. Private data or information is a collection and use of personal information. This information should not be accessed or disclosed to any other person unless permitted by the owner.

a) Explain **three** concerns related to the collection and use of private and confidential data. (3 marks)

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b) Describe the role of disaster recovery plan as a data protection measure. (2 marks)

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16. a) State the **two** factors to consider before buying a software program. (2 marks)

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b) Mention **three** ways computer users can obtain software. (3 marks)

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17. Write the following computer acronyms in full.

i) MODEM. (1 mark)

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ii) GPRS. (1 mark)

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iii) VGA. (1 mark)

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iv) PCI. (1 mark)

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v) CMOS. (1 mark)

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18. a) Why is the binary number system used for computer? (2 marks)

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b) Convert 10101010 to its decimal equivalent. (3 marks)

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19. a) Define the term digital forensics. (1 mark)

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b) Mention **two** causes of signal attenuation. (2 marks)

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c) Mention **two** Biometric devices. (2 marks)

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20. Why do you think there are still few people using computers in Uganda today? (5 marks)

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