

Name: _____ Index No. _____

School: _____ Signature _____

S850/1
Subsidiary Information and
Communication Technology
PAPER 1
July/August 2018
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) Distinguish between Optical Character Recognition Reader (OCR) and Optical Mark Recognition Reader (OMR). (2 marks)
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-
-
- b) Explain **three** advantages of 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)
-
- b) Suggest **two** applications of ICT in each of the following areas. (2 marks)
- 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 backups is necessary. (2 marks)
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-
- b) Ali thinks that making backups 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 the keyboard buttons one presses to close any file open without clicking on the close button. (1 marks)
-
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5. a) Define the term burglar proofing. (1 mark)

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

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

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

- b) State the difference between software upgrade and software update. (2 marks)

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

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

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

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

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

- b) Suggest the functions of the following utility programs:
i) Diagnostic utility. (1 mark)

- ii) Screen saver. (1 mark)

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

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)
- ii) .wakissha _____ (1 mark)
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 **three** qualities of a good presentation. (3 marks)
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12. a) Write short notes on each of the following in relation to data communication.
- i) Attenuation. (1 mark)
-
- ii) Multiplexing. (1 mark)
-
- iii) Band width. (1 mark)
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- iv) Half duplex. (1 mark)
-
- 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	5	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)

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

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

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

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 collection and use of private and confidential data. (3 marks)

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

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

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

17. Write the following computer acronyms in full.

i) MODEM (1 mark)

ii) GPRS (1 mark)

iii) VGA (1 mark)

iv) PCI (1 mark)

v) CMOS (1 mark)

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

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

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