

**Candidate's Name:**

**Class:**

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**Signature:**.....

**S850/1  
Subsidiary  
Information and  
Communication  
Technology  
Paper 1  
MARCH 2020**

**Uganda Advanced Certificate of Education**

**S.6 SUBSIDIARY ICT**

**Half term Holiday Task 2**

**Paper 1**

**INSTRUCTIONS TO CANDIDATES:**

*Answer **all** questions in this paper*

*The paper is made up of twenty equally weighted questions.*

*All answers should be written in blue or black ink in the spaces provided on the Question paper*

						For Examiners' Use Only																
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Total		

**Turn Over**

*Answer **all** the questions in this paper.*

1. State any four operations that can be performed by the mouse. (04 marks)

- i) .....
- ii) .....
- iii) .....
- iv) .....

(b) Identify any one other pointing device apart from the mouse (01mark)

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2. State the function of a fire extinguisher in the computer laboratory (01 mark)

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(a) State any **four** causes of fire outbreak in a computer laboratory. (04 marks)

- i) .....
- ii) .....
- iii) .....
- iv) .....

3. (a) What is meaning of the term debugging? (02 marks)

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(b) Servicing computers is an activity which should be done regularly. Give **three** reasons why computers should be regularly serviced. (03 marks)

- i) .....
- ii) .....
- iii) .....

4. (a) Define the term computer literacy. (01 mark)

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(b). State two benefits of gaining computer literacy in your community. (02 marks)

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(c). Distinguish between computer literacy and digital divide (02 marks)

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5. (a) Define an operating system (02 marks)

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(b) Write short notes about each of the following as used in computing (@01marks)

(i) A device drivers

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.....  
(ii) Utility software

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(iii) A dialog box

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(a) State any three examples of output devices (03 marks)

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(b) For any two of the above listed output devices, state whether it produces soft copy output or  
hardcopy output (02 marks)

6. (a) Define the term primary memory.

(01 marks)

(b) State any two differences between random access memory and read only memory

(04 marks)

RAM	ROM

7. (a) Define the term data backing up.

(02 marks)

(ii). State three reasons for backing up data.

(03 marks)

8. (a) Distinguish between intranet and extranet

(02 marks)

(b) Give **three** factors that affect the speed of internet.

(03 marks)

- i) .....
- ii) .....
- iii) .....

9. (a) Define the term computer system

(01 marks)

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(b) Explain four components of a computer system

(04 marks)

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10. (a) What is a **social networking website**?

(02 marks)

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(b) List **two** examples of social networking websites.

(02 marks)

- i) .....
- ii) .....
- iii) .....

(c) State **one** disadvantage of social networking websites.

(01 mark)

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11. (a) Mention any one requirement for installing software on your computer.

(01marks)

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(b) State any four examples of utility programs

(04marks)

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12. Tick true or false I n the table below

(05 marks)

	TRUE	FALSE
An antivirus is a utility program		
Editing text refers to changing of the appearance of text in a document		
PDAs cannot be used unless plugged in to an electricity socket		
Database software is used to create slide shows		
SMTP is a protector not an example of network protocol		

13. (a) What is a search engine

(02 marks)

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 .....  
 .....

(b) State any three examples of search engines that you know

(03marks)

- i) .....  
 ii) .....

14.. (a) State any **three** computer security risks in the computer laboratory.

(03 marks)

- i) .....  
 ii) .....  
 iii) .....

(b) Outline any **two** ways to protect computers in the computer laboratory.

(02 marks)

- i) .....  
 ii) .....

15. The spreadsheet below has been designed to calculate the Fuel Consumption Rate for 6 cars:

	A	B	C	D
1	Car	Distance Covered (km)	Fuel Consumed (litres)	Fuel Consumption Rate (litres/km)
2	Prado	48	14.0	
3	Datsun	160	29.0	
4	Corona	70	12	
5	Benz		20.0	0.1
6	Rav 4	150	33.0	
7	BMW	300	15.0	
8				
9				

(i) What formula should be entered in cell D2 to calculate the Fuel Consumption Rate for the Prado? (01 mark)

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(ii) The Fuel Consumption Rate for a Benz is known to be 0.1 liters per kilometer. Which formula should be entered in cell B5 to calculate the number of kilometers the Benz will cover with 20.0 liters of fuel? (01 mark)

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(iii) What formula should be entered in cell D8 to calculate the average Fuel Consumption rate for all the 6 cars? (01 mark)

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(iv) Which spreadsheet feature was applied to cell C8 and Cell C9 (01 mark )

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(v) If cell B7 was changed to 200, which cells would be automatically updated? (01 mark)

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16. State any five certification courses a user can undertake for study and specialization in ICT (05marks)

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17. (a) Briefly explain how each of the following system devices contributes to the general operations of a computer system

Hard disk drive ( 01 mark)

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Power Supply unit (01 mark)

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RAM chips (01 mark)

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b) State **two** approaches you would take to improve on the processing speed of a computer whose operations are gradually slowing down. (02 marks)

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18. (a) explain the following terms used in data communication

i. Encoding (01 mark)

ii. Telecommunication (01 mark)

iii. Simplex communication (01 mark)

iv. Full duplex (01 mark)

v. Bandwidth

19. Write in full

(i) ASCII (01 mark)

(ii) EBCDIC (01 mark)

(iii) DSL (01 mark)

(b) State any two differences be GUI and CLI operating systems (02 MARKS)

(i)



(ii)

20. Explain the following characteristics of a computer.

a) Versatility

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b) Diligence

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c) Automation

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d) Artificial intelligence

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e) Accuracy

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**END**