

Name.....Index no.....
Signature.....

S850/1

SUBSIDIARY ICT

(Theory)

Paper 1

July/ August 2018

2 ½ Hours

IBANDA DISTRICT JOINT MOCK EXAMMINATIONS 2018

Uganda Advanced Certificate of Education

SUBSIDIARY ICT (Theory)

Paper 1

2 hour 30 minutes

INSTRUCTIONS TO CANDIDATES

Attempt ALL questions in this paper.

The paper is made up of 20 equally weighted structured questions each carrying 5 marks.

Write your answers in the spaces provided.

No additional writing materials (answer sheets) shall be provided..

FOR OFFICIAL 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) What does the term **Decoding** mean? (1mk)
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.....
- (b) Differentiate between cold and warm booting (2mks)
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.....
- (c) Write the following abbreviations in full (2mks)
POST.....
.....
BIOS
2. (a) Briefly describe the concept of **biometric devices** (1mk)
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.....
- (b) Name any two standard keyboard layouts. (2mks)
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.....
- (c) Write down the keyboard shortcuts operations used to perform the following functions (2mks)
(i) Paste
.....
(ii) Perform a warm boot
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.....
3. (a) Briefly describe the concept of "**green computing**" (2mks)
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- (b) State any *two* advantages of green computing to the environment. (3 mks)

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- (c) Give two netiquette guideline ICT users are supposed to follow in society. (2mks)

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4. (a) Distinguish between computer storage media and computer memory. (2mks)

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- (b) State any *three* advantages of using compact disks for data storage. (3mks)

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5. (a) Briefly describe any *five* measures you would take to control physical access into computer installations. (5mks)

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6. (a) Describe the importance of any five devices used in computer laboratory care and maintenance. (5mks)

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

	A	B	C	D
1	Car	Distance (km)	Fuel Consumed (litres)	Fuel Consumption Rate (litres/km)
2	Prado	48	4.0	
3	Datsun	160	9.0	
4	Corona	70	4.5	
5	Benz	?....	20.0	0.1
6	Rav 4	150	33.0	
7	BMW	300	15.0	
8			AVERAGE RATE:	
9			BEST RATE:	

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

(1 mk)

ii) The Fuel Consumption Rate for a Benz is known to be 0.1 litres per kilometre. Which formula should be entered in cell B5 to calculate the number of kilometres the Benz will cover with 20.0 litres of fuel?

(1 mk)

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

(1 mk)

iv) What formula should be entered in cell D9 to calculate the best (most economical) Fuel Consumption Rate?

(1 mk)

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

(1 mk)

8 (a) Explain the following terms as used in networking (3 mks)

(i) Bandwidth.....

(ii) Server.....

(iii) Client computer.....

(b) Give two examples of resources that can be shared across a network (2 mks)

(i)

.....

(ii)

.....

9. (a) Distinguish between synchronous and asynchronous data communication modes (1mk)

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.....
(b) State any *two* data communication devices. (2 mks)

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.....
(c) State two factors you would consider when choosing a data communication mode. (2 mks)

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.....
10. (a) Define the term multimedia (1mk)

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.....
(b) State any two commonly used elements in a multimedia presentation (2 mks)

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.....
(c) What do you understand by the term troubleshooting. (2 mks)

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.....
11. (a) State the difference between file and folder (2 mks)

- (b) Use the file path below to answer the questions that follow
C:\Documents and Settings\Administrator.ESHOP-
5B8F2CC05\Desktop\marks.doc

- (i) state the primary folder.....(1mk)
(ii) state the file name.....(1mk)
(iii) state the file type.....(1mk)

12. (a) What is softcopy (1mk)

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.....
.....

- (b) Give **two** advantages of softcopy over hardcopy (2mks)

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.....

- (c) List down **two** examples of impact printers (2mks)

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13. (a) Briefly explain the following terms as used in internet based communications. (3mks)

(i) Internet.....
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(ii) World Wide Web.....
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(iii) Web browser
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(b) State any two examples of web browsers (2 mks)

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14. (a) Define the term system security . (1 mk)

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(b) What is the use of firewalls in computer systems? (1mk)

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(c) Write down any *three* ways in which data can be misused (3mks)

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15. (a) State the functions of the following networking devices; (3mks)

Multiplexer

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Gateway

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Repeater

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- (b) Write any two factors to consider before choosing a local area network model . (2 mks)

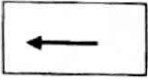
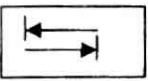
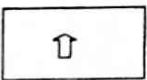
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16. (a) For each of the models of keys on the keyboard represented below, write the name of the key and its function: (3marks)

Model of the keyboard key	Name of the Key	Function of the key
		
		
		

(3 Marks)

- (b) Define the following terminologies as used in word processing:

- (i) Word Wrap

.....

.....

(ii) Clip board

17. (a) State **one** difference between a compiler and an assembler. (2 mks)

(b) Distinguish between high level languages and level languages giving examples. (3mks)

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

(i) Hard disk. (1mk)

(ii) Power Supply unit (1mk)

(iii) RAM chips. (1mk)

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- (b) Write down two methods you can use to enhance/ improve the speed of a computer . (2mks)

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19. A multi-national company allows employees to telework or work at home and communicate with the office using the Internet.

- (a) State the hardware, software and services required to access and use the Internet.

Hardware (2mks)

(i).....

.....

(ii).....

.....

Software (1mk)

(i).....

.....

.....

- (b) State **two** ways that a report could be sent to the office using the Internet. (2mks)

(i).....

.....

(ii)

.....

20. (a) State three types of computer crimes

(3 mks)

(i).....

.....

(ii).....

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(iii).....

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(b) Briefly describe three ways of protect against computer crime. (3mks)

(i).....

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(ii).....

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(iii).....

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