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S850/1
Subsidiary ICT
Theory
2022
Paper 1
2 ½ hours



MATIGO MOCK EXAMINATIONS 2022
UGANDA ADVANCED CERTIFICATE OF EDUCATION

SUBSIDIARY ICT
THEORY

Paper 1

2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

- a) This paper is made up of twenty structured questions.*
- b) Write your answers in the spaces provided. Answer written on additional papers, shall not be marked.*

FOR OFFICIAL USE ONLY					
1.			11.		
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6.			16.		
7.			17.		
8.			18.		
9.			19.		TOTAL
10.			20.		

1. Explain the following statements with reference to the characteristics of modern computer

(i) Accuracy

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(ii) Multitasking

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(iii) Deligence

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(iv) Automation

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(v) Versatility

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2. (a) Define the following terms in relation to ICT tools.

(i) Smart phone:

(1 mark)

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.....

(ii) Cellular phone:

(1 mark)

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.....

(b) Outline **three** benefits of information technology in your society. (3 marks)

(i)

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.....

- (ii)
-
- (iii)
-

3.(a) What is computer literacy? (2 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. (3 marks)

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4. (a) Distinguish between a physical problem and logical problem in relation to hard disk problems. (2 marks)

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(b) Explain **three** areas of application of Screen saver program. (3 marks)

- (i)
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- (ii)
-
- (iii)
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5. (a) Define a folder as applied in file management. (2 marks)
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.....
- (b) Identify the file extensions for the following files.
(i) Apresentation file
(ii) A database file
(iii) A spreadsheet file
6. (a) List **two** functions of a mouse. (2 marks)
.....
.....
- (b) Give **two** devices that can be used for both inputting and outputting data. (2 marks)
.....
.....
- (c) State **one** precaution you would take to safely keep a compact disk. (1 mark)
.....
.....
7. (a) Identify **one** suitable input device for each of the following tasks (1 mark@)
(i) Moving the pointer in a graphical user interface
.....
(ii) Capturing human eye features into a computer system
.....
(iii) Feeding pictures into the computer
.....

(iv) Entering instructions in a command line interface.

.....

(v) Inputting text and graphics from hard copies into electronic Format

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8. Given the following (i) Monitor, (ii) Central processing unit, (iii) Mouse, (iv) Keyboard, (v) Vga cable, Power cables. Explain how you can connect a computer to a working state.

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9. (a) What is an Icon in a desktop environment? (1 mark)

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(b) List any three major icons on a normal windows desktop of a Computer (2 marks)

(i)

(ii)

(iii)

(c) Define a directory in relation to computers

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10. (a) What is an operating system? (1 mark)

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(b) Mention and briefly explain any four functions of an operating system. (4 marks)

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11. As a student of ICT, suppose you shut down your computer when all Application programs are working well. In the morning you open the word processor and it fails to open.

(i) Give any two reason why the word processor may fail to open (2 marks)

a.

b.

(ii) Mention any three ways how you would solve the problem (3 marks)

(i)

(ii)

(iii)

12. (a) Define a touch screen as a computer hardware device. (2 marks)

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(b) Explain how a point of sale is important to a business man. (3 marks)

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13. (a) List any **two** advantages of E-mail software over ordinary postal letters. (2 marks)

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(b) What are the uses of the following features of E-mail software? (3 marks)

(i) To.....

(ii) CC.....

(iii) Attachment.

14.(a) Explain how you can secure an internet connection on your lap top. (1 mark)

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(b) If am in Uganda and there is a meeting in Dubai how can you connect to Dubai for the meeting in reference to the internet. (2 marks)

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(c) Mention any **two** communication tools which can help you in (b) above (2 marks)

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15. (a) Define communication devices. (1 mark)

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(b) Mention **two** communication devices. (2 marks)

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(c) Give **two** advantages of computer networking. (2 marks)

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16. Describe the following terms as related to data communication and Networking (1 Mark@)

(i) Simplex transmission

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- (ii) Half duplex
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- (iii) Full duplex
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- (iv) Modem
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- (v) Router
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17. (a) What is green Computing? (2 marks)

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(b) What is the relevance of the term “Cloud Computing” to you as a student of ICT. Any **three** (3 marks)

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18. Explain the **application** of ICTs in the following fields. (1 Mark@)

(a) Health

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(b) Education

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(c) Transport

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(d) Business

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(e) Agriculture

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19. (a) Which software application is best suitable for creating letters, memos, printing them and storing them for future use. (1 mark)

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- (b) Describe any **four** data types used in database and give an example of the field it corresponds to. (4 marks)

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20. (a) What is electronic publishing? (1 mark)

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- (b) Distinguish between electronic publication and traditional Publications (2 marks)

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- (c) List **two** applications which are used to design electronic publications (2 marks)

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END