

Name: STDN:

Signature:

S850/1
Subsidiary ICT
Paper 1
June/ Julyt, 2019
2 ½ hours

MOCK SET I EXAMINATIONS 2019

Uganda Advanced Certificate of Education

S850/1 Subsidiary ICT

Mock Examinations, 2019

Theory Paper

2 Hours 30 Minutes

INSTRUCTIONS TO CANDIDATES:

- *This paper is made up of 20 compulsory and equally weighted questions.*
- *Write all your responses in dark blue or black ink in the spaces provided.*
- *All answers should be written in the spaces provided. No additional material will be provided to the candidate.*
- *Attempt ALL questions in this paper.*

| FOR OFFICIAL USE ONLY | | | | | |
|-----------------------|--|--|----|--------------|--|
| 1 | | | 11 | | |
| 2 | | | 12 | | |
| 3 | | | 13 | | |
| 4 | | | 14 | | |
| 5 | | | 15 | | |
| 6 | | | 16 | | |
| 7 | | | 17 | | |
| 8 | | | 18 | | |
| 9 | | | 19 | | |
| 10 | | | 20 | | |
| | | | | Total | |

1. (a). State the difference between **hardware** and **software**. (02 marks)

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.....

(b). Define the term data. (01 mark)

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(c). Mention **two** devices that can be used to enter computer instructions. (02 marks)

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2. (a). Give the distinction between **editing** and **formatting** a document. (02 marks)

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(b). Outline any **two** editing features found in a word processor. (02 marks)

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(c). How is a light pen used in a word processor? (01 mark)

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3. (a). Mention **two** dangers of using a computer at home. (02 marks)

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(b). State any **two** parts that make up an e-mail address. (02 marks)

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(c). While composing a mail, what is the use of the “TO” field? (01 mark)

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4. (a). What are I/O devices? (01 mark)

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(b). State **two** examples of I/O devices. (02 marks)

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(c). Give **two** ways computers can be abused. (02 marks)

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.....

5. (a). State the difference between **system** and **peripheral devices**. (02 marks)

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.....

(b). Define the term computer literacy. (01 mark)

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(c). Mention any **two** examples of specialised application programs. (02 marks)

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6. Using the following words, fill in the spaced provided for (a) to (e) below.

Videoconferencing, RSS feed, GPS, webcam, spreadsheets, video, simplex channel. (05 marks)

(a). can be used to locate objects in a given region.

(b). is a single directional communication method.

(c). Multimedia is largely made up of a

(d). instant breaking news on a website can easily be accessed using a /an

(e). Live and video instant communication using a website is referred to as and with it, a is used to capture images for uploading.

7. Write short notes on the following:

(a). Peer – to – peer LAN network model. (02 marks)

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(b). Web server. (02 marks)

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(c). State **one** advantages of using a network by an organisation. (01 mark)

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8. (a). What is a computer laboratory? (01 mark)

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.....

(b). State **two** ways air conditioning is important in a computer laboratory. (02 marks)

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(c). Mention **two** reasons for servicing computers. (02 marks)

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9. (a). Give the difference between **cold** and **warm booting**. (01 mark)

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.....

(b). In relation to booting a computer, state one function of the following:

(i). pressing **CTRL+ALT+DELETE** (01 mark)

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(ii). BIOS (01 mark)

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(c). State **two** reasons a user may restart a computer. (02 marks)

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10.(a). What is a computer virus? (01 mark)

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(b). State **two** ways computer viruses are transmitted. (02 marks)

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(c). Mention how the following can control the spread of computer viruses:

(i). Antivirus program. (01 mark)

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.....

(ii). Use of passwords. (01 mark)

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11.You are given the following table:

| | A | B | C | D | E |
|---|-----------|-----------|----------|---------------|-------------|
| 1 | Item code | Name | Quantity | Selling price | Total Price |
| 2 | C001 | Mirinda | 200 | 900 | |
| 3 | C004 | Pepsi | 400 | 900 | |
| 4 | C010 | Quencher | 600 | 900 | |
| 5 | C030 | Ribena | 1,200 | 1,500 | |
| 6 | C030 | Rwenzori | 800 | 1,500 | |
| 7 | C100 | PK Sweets | 1,000 | 250 | |

(a). State the application program you will use to organise this work. (01 mark)

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(b). What data type will be suitable for the data in the item code field? (01 mark)

.....

(c). Write the formula that will return Total Price for **Ribena**. (01 mark)

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(d). What will happen when you enter **Rwenzori** after **Ribena**? (01 mark)

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(e). State **one** practical application of this program in your school. (01 mark)

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12.(a). What is a software suite. (01 mark)

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(b). Give the difference between **shareware** and **freeware** programs. (01 mark)

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(c). Write short notes on the following:

(i). software upgrade. (01 mark)

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(ii). Software bug. (01 mark)

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.....

(iii). Beta software (01 mark)

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13.(a). State **two** advantages of using e-commerce in business. (02 marks)

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(b). Mention **one** example of web browser. (01 mark)

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(c). What is a:

(i). Web forum? (01 mark)

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.....

(ii). Web mail? (01 mark)

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.....

14.(a). Define the term computer communication. (01 mark)

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(b). Mention any **two** tools of computer communication. (02 marks)

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.....

(c). Give **two** advantages of telecommuting to an organisation. (02 marks)

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.....

15.(a). Write the following acronyms in full:

(i). FTP (01 mark)

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(ii). BBS (01 mark)

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(iii). TCP/IP (01 mark)

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(b). Mention any **two** factors you will consider before establishing a network. (02 marks)

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16.(a). Give **two** forms of wireless communication devices. (02 marks)

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.....
(b). Mention **one** danger of using wireless communication in an organisation. (02 marks)

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(c). Why are majority of organisations still using cable networks? (01 mark)

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17.(a). Give **two** differences between **RAM** and **ROM**. (02 marks)

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.....
(b). Write one function to the following parts in a CPU.

(i). Control Unit. (01 mark)

.....
(ii). Arithmetic and Logical Unit. (01 mark)

.....
(iii). Registers. (01 mark)

.....
18.(a). State any **two** applications of artificial intelligence today in computing. (02 marks)

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.....
(b). Mention **one** branch of digital forensics. (01 mark)

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(c). (i). What is **green computing**? (01 mark)

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.....

(ii). Give **one** goal of green computing. (01 mark)

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19.(a). Outline two duties carried out by:

(i). Computer support specialist. (02 marks)

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.....

(ii).Systems designer. (02 marks)

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(b). Mention **one** way you can care for a school network. (01 mark)

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20.(a). State the difference between a **file** and a **folder**. (01 mark)

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(b). Outline the steps you take to create a folder on your desktop. (02 marks)

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(c). Give **two** causes of data loss in an organisation. (02 marks)

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End