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)**

………………………………………………………………………………………

………………………………………………………………………………………

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

**(02 marks)**

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………………………………………………………………………………………

1. (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)**

………………………………………………………………………………………

………………………………………………………………………………………

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

………………………………………………………………………………………

1. (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)**

………………………………………………………………………………………

………………………………………………………………………………………

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

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

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………………………………………………………………………………………

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

………………………………………………………………………………………

………………………………………………………………………………………

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

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………………………………………………………………………………………

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

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………………………………………………………………………………………

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

………………………………………………………………………………………

………………………………………………………………………………………

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

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………………………………………………………………………………………

1. 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.

1. Write short notes on the following:

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

………………………………………………………………………………………

………………………………………………………………………………………

(b). Web server. **(02 marks)**

………………………………………………………………………………………

………………………………………………………………………………………

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

………………………………………………………………………………………

1. (a). What is a computer laboratory? **(01 mark)**

………………………………………………………………………………………

………………………………………………………………………………………

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

**(02 marks)**

………………………………………………………………………………………

………………………………………………………………………………………

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

………………………………………………………………………………………

………………………………………………………………………………………

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

………………………………………………………………………………………

………………………………………………………………………………………

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

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

………………………………………………………………………………………

(ii). BIOS **(01 mark)**

………………………………………………………………………………………

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

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………………………………………………………………………………………

1. (a). What is a computer virus? **(01 mark)**

………………………………………………………………………………………

………………………………………………………………………………………

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

………………………………………………………………………………………

………………………………………………………………………………………

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

(i). Antivirus program. **(01 mark)**

………………………………………………………………………………………

………………………………………………………………………………………

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

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………………………………………………………………………………………

1. 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)**

………………………………………………………………………………………

(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)**

………………………………………………………………………………………

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

………………………………………………………………………………………

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

………………………………………………………………………………………

1. (a). What is a software suite. **(01 mark)**

………………………………………………………………………………………

………………………………………………………………………………………

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

………………………………………………………………………………………

………………………………………………………………………………………

(c). Write short notes on the following:

(i). software upgrade. **(01 mark)**

………………………………………………………………………………………

(ii). Software bug. **(01 mark)**

………………………………………………………………………………………

………………………………………………………………………………………

(iii). Beta software **(01 mark)**

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………………………………………………………………………………………

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

………………………………………………………………………………………

………………………………………………………………………………………

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

………………………………………………………………………………………

(c). What is a:

(i). Web forum**? (01 mark)**

………………………………………………………………………………………

………………………………………………………………………………………

(ii). Web mail**? (01 mark)**

………………………………………………………………………………………

………………………………………………………………………………………

1. (a). Define the term computer communication.  **(01 mark)**

………………………………………………………………………………………

………………………………………………………………………………………

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

………………………………………………………………………………………

………………………………………………………………………………………

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

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………………………………………………………………………………………

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

(i). FTP  **(01 mark)**

………………………………………………………………………………………

(ii). BBS **(01 mark)**

………………………………………………………………………………………

(iii). TCP/IP **(01 mark)**

………………………………………………………………………………………

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

**(02 marks)**

………………………………………………………………………………………

………………………………………………………………………………………

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

………………………………………………………………………………………

………………………………………………………………………………………

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

**(02 marks)**

………………………………………………………………………………………

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

………………………………………………………………………………………

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

………………………………………………………………………………………

………………………………………………………………………………………

(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)**

………………………………………………………………………………………

1. (a). State any **two** applications of artificial intelligence today in computing.

**(02 marks)**

………………………………………………………………………………………

………………………………………………………………………………………

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

………………………………………………………………………………………

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

………………………………………………………………………………………

………………………………………………………………………………………

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

………………………………………………………………………………………

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

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

………………………………………………………………………………………

………………………………………………………………………………………

(ii).Systems designer. **(02 marks)**

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………………………………………………………………………………………

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

………………………………………………………………………………………

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

………………………………………………………………………………………

………………………………………………………………………………………

(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**