**St**u**d**e**nt's Name..........................................................................................................**

**Signature .....................................................Class &Stream.....................................**

***(Do not write your school, or Center Number anywhere on this booklet)***

**840/1**

**COMPUTER STUDIES**

**Paper 1**

**March 2019**

 21/2 hours

**EQUATORIAL COLLEGE - SCHOOL**

**Uganda Certificate of Education**

COMPUTER STUDIES

**Paper 1**

2 hours 30 minutes

**INSTRUCTIONS TO ST**U**D**E**NTS:**

*Write your names, signature, random and personal number in the spaces above.*

*This paper consists of* **three** *Sections* **A, B** *and* **C**

*Section* **A** *contains* **20 compulsory** *objective type questions. The correct alternative* **A, B, C** *or* **D** *must be written in the box provided on the right hand side of each question.*

*Section* **B** *contains* **six compulsory** *structured questions. Answers to section* **B****must** *be written in the spaces provided in the question paper.*

*Section* **C** *contains* **three** *essay questions. Answer only* **one***. Answers to section* **C** *must be written in the answer sheet provided.*

*Any additional question(s) answered will* **not** *be marked.*

**For Examiners' Use Only**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MCQ** | **Q21** | **Q22** | **Q23** | **Q24** | **Q25** | **Q26** | **Q27** | **Q28** | **Q29** | **TOTAL** |
|  |  |  |  |  |  |  |  |  |  | **Turn Over** |

**SECTION A (20 MARKS)**

*Answer all questions in this section*

1. Which one of the following is not a storage device?

A. Flash disk

B. Memory card

C. Hard disk

D. Motherboard

1. A good password contains

A. very few characters

B. text and numbers

C. common words or names

D. only numbers

1. A light pen facility can best help computer users to........................................

A. draw pictures on the computer screen

B. play computer games

C. converts hardcopy text into bit-mapped image forms.

D. mark examinations on a computer

1. In document production a font is........................................

A. data of the same field

B. characters of the same face and shape

C. data of the same record

D. characters in the same document and file

1. The error message that will appear in a cell when the formula used contains a function which is not recognized in spreadsheet is...............................

A. ####

B. #VALUE!

C. #NAME?

D. #REF!

1. The process of checking whether essential computer peripherals are attached and operational is called................................

A. configuration.

B. CMOS.

C. POST.

D. defragmentation.

1. Which of the sets below contains characteristics of advancement in computer technology?

A. Smaller in size, faster and more expensive.

B. Bigger in size, faster and cheaper.

C. Bigger in size, more expensive and faster.

D. Smaller in size, faster and cheaper.

**Turn Over**

1. Computer maintenance, upgrade and configuration utilities are accessed through......................................................

A. control panel

B. network manager

C. system registry

D. my computer

1. The lowest level language of a computer is....................................

A. BASIC

B. FORTRAN

C. MACHINE

D. COBOL

1. The abbreviation MIS in system analysis stands for................................

A. Memory Interface System.

B. Management Information System.

C. Memory Interface Structures.

D. Management Information Support.

1. The ........................... will enable users to optimize personal computers.

A. utility routines

B. operating system

C. device drivers

D. programming languages

1. The service needed to transfer or upload files on the Internet Service Provider is called.................................

A. HTTP.

B. FTP.

C. IP.

D. HTML.

1. The first computing device used to perform arithmetic calculations is................

A. Weaving room.

B. Slide rule.

C. Napier's bones

D. Abacus.

1. Software systems are developed using.........................

A. antivirus tools.

B. operating systems.

C. programming languages.

D. word processing.

**Turn Over**

1. Identify the correct rule for HTML tags from the following..............................

A. Do not use the < and > symbols.

B. Symbols and tag text should be spaced.

C. There should always be an opening and closing tag.

D. All tags must start with equal signs (=).

1. A row in a database table that contains information about a given person, event, product or asset is a.................................

A. field.

B. record.

C. key.

D. mask.

1. The important way to protect data and other computer network resources is referred to as.........................................................

A. decoding.

B. backing.

C. zipping

D. encryption.

1. The views that enable a user to rearrange the order of slides are:

1. Outline view 4. Slide show view

2. Slide sorter view 5. Normal view

3. Notes page view

A. 1, 2, 3.

B. 2, 3, 4.

C. 3, 4, 5.

D. 1, 2, 5.

1. A computer that is not connected to a network is called a............................................

A. Stand- alone.

B. Client.

C. Server.

D. Terminal.

1. Publishing a webpage means:

A. Creating files and placing them on a web server.

B. Creating an advert and placing it in a Newspaper.

C. Web content is printed directly from the source document.

D. The source documents are merged to web server contents.

**Turn Over**

**SECTION B (60 MARKS)**

*Answer* **all** *questions in this section*

*All answers must be written in the space provided.*

1. (a) What is meant by **Computer Evolution?** *(02 marks)*

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(b) Use the terms below to complete the statements (i) to (iv).

* Data processing
* Information
* Computer
* Data
* Hard disk
* Information technology

(i) An electronic device that accepts data input, processes it, outputs the

desired information and stores the result is *(01 mark)*

................................................................................................................

(ii) The conversion of data into information is *(01 mark)*

................................................................................................................

(iii) Raw facts or figures that are of little meaning until they are sorted in a

useful way are called:.............................................................................

*(01 mark)*

(iv) Processed data that has meaning and is useful to the human being is

......................................................................................... *(01 mark)*

(c) Give **two** examples of how computers are used in each of the following

sectors.

(i) Health. *(02 marks)*

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**Turn Over**

(ii) Security *(02 marks)*

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1. (a) Define the term **computer hardware.** *(02 marks)*

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(b) Fill in the appropriate category of the hardware devices from the given list:

Input, Output, Storage, Communication. *(04 marks)*

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| --- | --- |
| **Hardware Device** | **Category** |
| (i) Compact Disk |  |
| (ii) MODEM |  |
| (iii) Projector |  |
| (iv) Barcode Reader |  |

(c) Explain the functions of the computer components below.

(i) **Power Supply Unit**  *(02 marks)*

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(ii) **ROM chip** *(02 marks)*

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1. (a) (i) What is a **wild card** in database management system? *(02 marks)*

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(ii) Give **one** importance of a wild card in a query criterion. *(02 marks)*

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**Turn Over**

(iii) Name **one** example of the frequently used wild cards. *(01 mark)*

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(b) (i) State **one** characteristic of a label when placed in a spreadsheet cell. *(02 marks)*

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(ii) Outline **three** uses of electronic spreadsheets. *(03 marks)*

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1. (a) (i) State any **two** ways a system administrator can prevent access to

some information on the Internet. *(02 marks)*

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(ii) Give **three** reasons for preventing access to such information. *(03 marks)*

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(b) (i) Explain the term data transmission media in computer networks *(02 marks)*

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(ii) List **three** examples of computer data transmission media. *(03 marks)*

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**Turn Over**

1. (a) Give the importance of the following features in word processing

(i) **Footnote** *(02 marks)*

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(ii) **Toggle Case** *(02 marks)*

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(b) Distinguish between **Cut** and **Copy** editing features of a word processor. *(02 marks)*

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(c) What is presentation software? *(02 marks)*

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(d) Outline **two** areas where presentation software may be used. *(02 marks)*

(i) ......................................................................................................................

(ii).....................................................................................................................

1. (a) Name any four system requirements considered before installing windows operating system on a computer. *(04 marks)*

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(b) Give two reasons why a computer may be restarted. *(02 marks)*

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**Turn Over**

(c) Explain the term **device drivers** as applied to computers. *(02 marks)*

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(d) Give any **two** forms of interfaces that can be provided by an operating

system to the computer user. *(02 marks)*

(i).......................................................................................................................

(ii).....................................................................................................................

**SECTION C (20 MARKS)**

*Answer only* ***one*** *question from this section. Answers to this question* ***must*** *be written in the answer sheets provided.*

1. (a) You are provided with the following computer hardware parts and other electrical accessories:
2. AC main socket outlets
3. Uninterruptible Power Supply (UPS)
4. UPS power cable
5. System Unit
6. System Unit power cable
7. Monitor
8. Monitor power cable
9. Mouse
10. Keyboard
11. VGA cable

Describe how they can be assembled to make a complete functioning Computer  *(08 marks)*

(b) Outline the logical order of switching on the computer system, assembled in (a) above. *(07 marks)*

(c) Describe **five** conditions that can lead to a computer system re-boot. *(05 marks)*

1. (a) With the use of **illustrations** explain the data transmission modes. *(06 marks)*

(b) With illustrations, explain any **five** Network topologies *(10 marks)*

(c) Explain the advantages of having a school Network *(04 marks)*

1. A computer system comprises of hardware, software, user, data and

Communication; with **examples**, describe **each** of the components. *(20 marks)*

**END**

**END**