**CMT4\_SEM2\_CAT1\_PHYSIOLOGY\_NYACOHAS\_2021**

**MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT, GENDER, ELDERLY AND CHILDREN**

**NYAISHOZI COLLEGE OF HEALTH AND ALLIED SCIENCES**

**BASIC TECHNICIAN CERTIFICATE IN CLINICAL MEDICINE**

**(NTA LEVEL 4)**

**CONTINOUS ASSESSMENT: WRITTEN TEST I (CATI)**

**MODULE CODE: CMT 04212,MARKING KEY**

**MODULE NAME: BASIC COMPUTER APPLICATIONS**

**TIME: 2: 00 HOURS DATE 17TH MAY 2019**

**CANDIDATE NUMBER…………………………………………………………………**

**GENERAL INSTRUCTIONS:**

1. Read all instructions carefully.
2. Write your examination number on each page of the answer sheet you use.
3. Attempt all questions.
4. **Cellular phones are NOT allowed in the examination room.**
5. **Each essay question to be answered on not more than 3 hand written papers.**
6. This paper consists of five (5) sections.
7. The table below is for **OFFICIAL USE ONLY**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SECTION** | **TYPE OF QUESTIONS** | **MARKS ALLOCATION** | **SCORED MARKS** | **INITIAL SIGNATURE OF EXAMINATION MARKER** | **INITIAL SIGNATURE OF EXAMINATION VERIFIER** |
| A | MULTIPLE CHOICE | 10 |  |  |  |
| B | MULTIPLE TRUE/FALSE | 10 |  |  |  |
| C | MATCHING | 10 |  |  |  |
| D | SHORT ANSWER | 40 |  |  |  |
| E | GUIDED ESSAY | 30 |  |  |  |
| **TOTAL** |  | **100** |  |  |  |

**SECTION A: MULTIPLE CHOICE QUESTIONS 10 MARKS**

**Instructions:**

* **This section consists of ten (10) questions;**
* **Encircle the letter against the most correct answer. There is only one correct answer**
* **One mark will be awarded for each correct answer.**

1. The following group represents the basic units of measurement in computer storage hardware

1. Kilogram, megabytes, bytes, centimeter
2. **Terabytes, megabytes, kilobytes, gigabytes**
3. Meter square, gigabytes, bytes, farads
4. Farads, bytes, terabytes, centimeter
5. bytes, terabytes, centimeter

2. Which type of the following application software is used for budgeting?

1. Page marker
2. **Spreadsheet software**
3. Desktop publishing
4. Presentation software
5. Word processing software

3. Operating system supervises the overall operation of the computer, what is type of software it belonging to?

1. Computer software
2. **System software**
3. Window software
4. Application program
5. Device software

4. The term Icon refers to:

1. **A Picture of symbol that represents a command**
2. A Photograph
3. A Leader
4. A Symbol of Power
5. Symbol of wired network

5. Control unit in central processing hardware is used to……………..

1. Run processes in waiting model
2. Run and initiate all processes in CPU
3. Control operating system within CPU.
4. **Manage and control all functions of CPU**
5. Store data in CPU

6. The Window’s Desktop is:

1. An area that is used for viewing documents
2. An area that organizes your documents
3. **An area that gives you quick access to files**
4. An area that give you access to system software
5. An area for background

7. [Backing up of computer data is the process of:](https://www.proprofs.com/discuss/q/268560/backing-up-of-computer-data-is-the-process)

1. Reversing the files stored on the hard drive
2. Putting your computer in the back of the room
3. **Storing an extra copy of data on the hard disk**
4. Storing an extra copy on an external storage device
5. Storing of data in CPU

8. What group of devices used as input devices and output device

1. Mouse and monitor
2. Monitor and speaker
3. Scanner and monitor
4. Speaker and scanner
5. **Keyboard and scanner**

9. Which type of port you can connect projector to computer when you decide to use projector as your output device.

1. Usb port
2. VDI port
3. **VGA port**
4. Rj 45 port
5. Fireware port

10. Which part of mouse help to move up or down of page

1. Left button
2. **Wheel**
3. Pointer
4. Right button
5. Click button

**SECTION B: MULTIPLE TRUE/FALSE QUESTIONS 10 MARKS**

**Instructions:**

* + **This section consists of four (4) questions with five (5) options each**
  + **Write in the space provided the word “TRUE” and NOT letter ‘T’ for a correct statement and the word “FALSE” NOT letter ‘F’ for incorrect statement**
  + **Half (1/2) a mark will be awarded for each correct response**

1. Regarding physical threats

1. **TRUE**…………………Theft
2. **FALSE**…………………..Virus
3. **TRUE**…………………Floods
4. **FALSE**………………….Kaspersky
5. **FALSE**………………..Antivirus

2. Procedure for protecting computer from power surge

1. **TRUE**…………….Always use power surge protector
2. **FALSE**……………..Do not download from untrusted websites
3. **TRUE**……………..Turn off your computer when not use
4. **TRUE**……………..Unplug all electronic devices and wait for storms to pass
5. **FALSE**……………..Never turnoff your computers with power switch.

3. Regarding peripheral devices

1. **FALSE**…………….Allow communication
2. **TRUE**……………..Increase the functionalities of the computer system
3. **FALSE**……………...Its Nonvolatile devices
4. **TRUE**………………Use device driver to communicate with operating system
5. **FALSE**………………Used to filter processed data

4. Computer storage hardware

1. **FALSE**………………Nonvolatile store data temporary
2. **TRUE**………………Primary storage is volatile storage
3. **FALSE**………………Secondary storage accessed randomly
4. **TRUE**………………Primary storage accessed randomly
5. **TRUE**………………Nonvolatile store data permanently

**SECTION C: MATCHING QUESTIONS 10 MARKS**

**Instructions:**

* **This section consists of two (2) question of matching with five (5) options each.**
* **Match the items from column B with those in column A by writing the letter of correct response in the space provided. USE CAPITAL LETTERS.**
* **Each correct response is awarded one (1) mark; each item from column B is used only once.**

1. Match the computer threats in column A with their preventive maintenance in column B

|  |  |  |
| --- | --- | --- |
| COLUMN A | SPACE | COLUMN B |
| 1. Dust | **B** | A.Use updated antivirus |
| 2. Virus | **D** | B. Cleaning the computer hardware |
| 3. unstable power | **H** | C. Uninstall unused software |
| 4. Humidity | **E** | D. Use updated antivirus |
| 5. Lighting | **F** | E. Use Air condition |
|  |  | F. Earth rods |
|  |  | G. Power surge |
|  |  | H. UPS |

1. Match the security terms in column A against their meaning in column B

|  |  |  |
| --- | --- | --- |
| COLUMN A | SPACE | COLUMN B |
| 1. Access Control | **F** | A.Someone who seeks to exploit computer system |
| 2. Authorization | **H** | B.Is an attempt to steal personal information |
| 3. Firewall | **C** | C.Allow you to filter what kind of traffic can come in and go out of network |
| 4. Authentication | **G** | D.A person who uses computer to gain unauthorized access to resource. |
| 5. Hacker | **A** | E.Occurs when an attacker tries to make a service unreachable |
|  |  | F.Is the process of enforcing the required security for a particular resource |
|  |  | G.Is the process of establishing if the user is permitted to have access to a resource |
|  |  | H.Is a process by which you verify that someone is who they claim they are |

**SECTION D: SHORT ANSWER QUESTIONS 40 MARKS**

**Instructions:**

* **This section consists of eight (8) questions.**
* **Write your answer on the spaces provided**
* **Write a readable handwrite; DIRTY WORK IS NOT ALLOWED.**

1. Define the following term used in computer

1. Internet

**Is a global system of interconnected computer networks that use the the standard internet protocol suite (TCP/IP).**

1. Network

**Is a group of interconnected (via cable and/or wireless) computers and peripherals that is capable of sharing software and hardware resources**

1. Intranet

**Is a private network based on TCP/IP protocol belonging to an organization/staff,accessible only within the organization.**

1. Protocol

**Is a set of rules or procedures for transmitting data between electronic devices such as Computer?**

1. Communication Media

**Is a group of devices that are capable of delivering and receiving data or Information**

2. Mention parts of internet pathname

1. **Protocol**
2. **Domain Name.**
3. **Host**
4. **Document name.**
5. **Access way.**

3. Define the following terms used in internet

1. Website

**Is a set of related webpages located under a single domain name**

1. Domain name

**Is a part of network address that identifies it as belonging to a particular domain.**

1. URL

**Is the address of a World Wide Web page.**

1. Hyperlink

**Is an element in HTML document that links to either another portion of the document or to another HTML document.**

1. Browser

**Is a program with a graphical user interface for displaying HTML files,used to navigate the world wide .**

4. Mention the five fields of an email

1. **From.**
2. **To.**
3. **Subject.**
4. **CC.**
5. **BCC.**

5. Enumerate five examples of search engines.

1. **Google.**
2. **Yahoo.**
3. **Bing.**
4. **Ask.com.**
5. **Baidu.**

6. A) with example what are four hardware parts in the computer system.

1. **Output hardware eg Monitor,printer.**
2. **Input hardware eg scanner,mouse,keyboard.**
3. **Storage hardware eg Hard drive disk.**
4. **Processing hardware eg CPU.**

6. B) Define www

**Is the way of accessing web (internet) resources using HTTP.**

7. What are the meaning of the following terms used in computer.

1. WAN

**Wide area Network**

1. MAN

**Metropolitan Area Network**.

1. LAN

**Local Area Network.**

1. HTTP

**Hypertext Transfer Protocol.**

1. HTML

**Hypertext Markup Language**

8. A) Mention the parts of email address

1. **Username.**
2. **@.**
3. **Domain name.**

8. B) what are two types of toolbar in Microsoft word 2007

1. **Formatting toolbar**
2. **Standard toolbar**

**SECTION E: GUIDED ESSAY QUESTIONS 30 MARKS**

**Instructions**

* **This section consists of two (2) questions which are supposed to be answered in a narrative way**
* **Write your answer on a separate sheet of paper provided; each question should start on a new page.**
* **Write your examination number on each answer sheet you are using.**

1. Describe basic rules for computer safe use.

Any 5 points @ 3marks

* ***Cleaning the computer hardware***
* ***Never turn off computer with power switch***
* ***Installing updated antivirus***
* ***Delete temporary files***
* ***Unplug your computer from the socket when not used***
* ***Do not visit unsecured sites***
* ***Do not download unknown email attachment***

2. Explain advantages of using internet in hospitals and other health facilities.

Definition 3 marks

Any 4 points @ 3marks

* ***Lower cost.***
* ***Better patience experiences.***
* ***Better management of drugs and medicine.***
* ***Reduce error and waste.***
* ***Improve outcome of treatment.***
* ***Enhance learning***
* ***Easy communication***