**ESTERN PROVINCE**

**GATSIBO DISTRICT**

**CLASS: S2 (ALL)**

**MARKING OF ICT EXAMINATION S2**

1. **Write in full the below abbreviations** (**8marks)**

a) USSD:Unstructured Supplementary services data

b) PIN: Personal Identification Number

c) ATM: Automated teller Machine/automatic transaction machine

d) EBM: Electronic Billing Machine

1. **Differentiate between two types of user accounts**(**8marks)**

**Administrator**: This is a user that has superior privileges. It can make changes to the accounts of other users such as changing the security settings, installing software and hardware, as well as accessing and modifying all files on the computer

**Standard user (Guest)**: This is a user account that allows people to have temporary or limited with this type of account can use most of the software installed.

1. **What is the meaning of the term harmful program? Give any four categories of them.** (**8marks)**

**Harmful program** refers to software that interferes or poses security problems to the computer hardware, software, data, and information.

**Categories of harmful program**

* Viruses
* Trojan horses
* Rootkits
* Worms
* Spyware
* Crime ware

Adware

1. **A lab technician found out that some of the computers in a school were infected with a computer virus**. (**8marks)**
2. **Give the two symptoms of a virus-infected computer.**
* A computer system takes longer than usual to load programs and carry out other operation.
* Unfamiliar graphics appear on a computer file.
* The drive light of a non-referenced drive comes on without a reason.
* The computer unexpectedly restarts without instruction.
* The file size in the computer becomes unusually large.

The size of Random Access Memory (RAM) may become smaller

1. **What are any two measures to protect a computer system from virus attacks?**
* Install an antivirus program
* Keep the antivirus software updated
* Scan emails for virus
* Install anti spyware software
* Avoiding non-secure sites
* Use proper cleaning agents to clean computer hardware
* Compressing files
* Prepare backup of files
1. **State any two mobile banking services offered by bank facilities** (**4marks)**

 **Some of the mobile banking facilities offered are**:

* Buying airtime
* Sending money to your mobile phone
* Checking the balance
* Withdrawing cash
* Transferring funds
* Getting a mini statement
* Service requests (Cheque book requests, forex rates, full statement request, stop cheque)
1. **Give any four objects should be inserted in document** (**4marks)**
* Text boxes
* Tables
* Pictures
* Equations
* Symbols
* Word art

7. **Discuss any four characteristics of good and strong password** (**8marks)**

* It should have **at least eight (8) characters**.
* It should contain a **combination of uppercase and lower case letters.**
* It should also have **numbers and symbols** if they are allowed.
* It should be **changed frequently,** for example, after every **one month.**

**8.List down any three source of harmful programs (6marks)**

* E-mail attachment
* File sharing
* Malicious websites
* Storage media

9. **Define the following ICT terms:** (**4marks)**

**a)data protection:** : Is defined as the process of safeguarding data from corruption, loss, or unauthorized access

**b) Spreadsheet:** Is a software that enables the user to organize numerical data on the screen in a tabular form. The program is made up of rows and columns used to present and analyze numerical data

**10. What are any four examples of antivirus software mostly installed into a computer?** (**4marks)**

* Microsoft Essentials
* Kaspersky
* Norton
* Bit defender
* Windows defender
* Avast
* Panda
* Macfee
* Rising
* Total security
* etc

**11. E-Commerce** is electronic commerce. It is also known as eBusiness. It is the buying and selling of goods and services over the Internet using credit cards in online shops (**2marks)**

12. **Identify any two-service provider’s network communication companies and two USSD codes available locally and frequently used in Rwanda** (**4marks)**

* MTN,TIGO,AIRTEL,MANGO 4G,…

USSD CODES:\*131#,\*500#,\*182#,\*909#,\*,\*151#,….

13**. State two Positive Impact two negative impact of Financial Technologies**. (**8marks)**

**Positive impact**

* Quick service delivery
* Security in transactions
* Unlimited access to the users bank account
* Automated billing
* Automation of routine tasks
* Creation of job opportunities
* Communication networks
* Easy management of payroll
* Increased revenue to country
* Solution to bank service problems

**Negative impact**

* Fraud (Online financial fraud)
* Unemployment (Loss of jobs causing unemployment

**14. List three ways in which a table can be created. (6marks)**

There are **three ways of creating a table** namely:

* Using the Graphic grid
* Using the Insert table feature
* Using the Draw table tool

**15. a) What is the sign used to begin the formula or function in Ms. excel? (2marks)**

Equal sign(=)

**b) What is a cell as it is used within table? (4marks)**

It a box formed by the intersection of a row and a column where data is entered.

**16. List down any FOUR mathematical operators mostly used in Ms excel (4marks)**

**Mathematical operators**

* Plus(+)
* Minus(-)
* Multiplication(\*)
* Division(/)

**17. What are any two features of spreadsheet? (4marks)**

* They consist of a **workbook** and **worksheets**.
* Every worksheet consists of **cells** where data is entered.
* Every individual cell has a **unique cell address** used for identification.
* It contains inbuilt **formulas** known as **functions** that enable the user to perform calculations quickly.
* It allows presentation of information using **charts**.

**18. Briefly, explain the role of spreadsheet? (4marks)**

* Spreadsheets enable the user to enter data,
* Spreadsheets enable the user to edit and perform calculations quickly,
* Spreadsheets enable the user to organize and present data in graphic form.

**END**