Name :………………………………………………Adm. No :……..…………………………...

House :…………………………………………….. Class :……………………………………….

Date ………………………………………................Student’s Signature…………………..

**451/1**

**COMPUTER STUDIES**

**FORM 1**

**PAPER 1**

**(THEORY)**

**TIME: 2 HRS**

**FORM 1**

**Instructions to candidates**

answer all questions in section A and section B.

***NOTE:***

*This paper consists of* ***5*** *printed pages.*

*Candidates should check to ensure that all pages are printed as indicated and no question is missing*

**1. (a)** Define booting. **(2 marks)**

 **(b)** Differentiate between cold booting and warm booting. **(4 marks)**

**2.** State four characteristics of the fifth generation computers. **(4 marks)**

**3.** Give two reasons why smaller computers like laptops tend to be more expensive than desktop computers. **(2 marks)**

**4.** Define Artificial Intelligence. **(2 marks)**

**5.** Why must food and beverages be kept out of the computer room? **(4 marks)**

**6.** What should be done to deter illegal access to the computer room by unauthorised persons? **(2 marks)**

**7.** Classify the following keys found on a standard keyboard.

(a) A,B,C,….Z - **(1 mark)**

(b) 0,1,2,……9 - **(1 mark)**

(c) Arrow key, Home, Page up, End - **(1 mark)**

(d) Ctl, Shift, Alt - **(1 mark)**

8. What is a computer system? **(1 mark)**

**9.** A scanner used in Uchumi supermarket is an example of a

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_scanner. **(2 marks)**

**10.** Draw a T-Table that differentiates between RAM and ROM. **(4 marks)**

**11.** List THREE buses that are found in the CPU. **(3 marks)**

**12.(a)** What is the meaning of BIOS? **(2 marks)**

 **(b)** What role does BIOS play in a computer? **(2 marks)**

**13.** Differentiate between soft copy and hard copy. **(2 marks)**

**14.(a)** In a T-Table Write four differences between a CRT monitor and a Flat panel

 Display **(4 marks)**

 **(b)** Give THREE examples of Flat panel monitors that are available in the market

 today **(3 marks)**

**15.** Name the two major categories of printers and explain how they work. **(4 marks)**

**16.** Distinguish between CD-R and a CD-RW. **(2 marks)**

**17.** Define the following terms:

**(a)** Port **(2 marks)**

**(b)** Interface cable **(2 marks)**

**(c)** Power cable **(2 marks)**

**18.** Mike connected new multimedia speakers to his computer and tried to play his favourite music CD but no sound was produced. List two possible reasons for this. **(2 marks)**

**19.** Define the internet. **(2 marks)**

**20.** Differentiate between the hardware and software components of a computer giving an example of each. **(4 marks)**

**21.** Describe the functions of the following computer hardware components:

**(a)** Mouse **(2 marks)**

**(b)** Scanner **(2 marks)**

**22.** Give three advantages of computerisation in an organisation. **(3 marks)**

**23.** List four factors to consider when purchasing a microcomputer. **(4 marks)**

**24.** Name four factors to be considered when preparing a computer laboratory

**(4 marks)**

**25.** The diagram below shows as example of a secondary storage media .



1. Identify the name of the device. **(2 marks)**
2. List down two advantages of this device over a floppy disk in storage.

**(2 marks)**

**26**. State Two main functions of the computer monitor (screen). **(2 marks)**

**27.** Write the following abbreviations in full:

**(a)** GUI - **(2 marks)**

**(b)** ICT - **(2 marks)**

**(c)** WIMP - **(2 marks)**

**28.** Name the program that enables POST to run. **(2 marks)**

**29.** State the types of files which have the following file extensions and give an example of each.

i. - **.BAT (2 marks)**

ii. - **.XLS (2 marks)**