**MURANG’A HIGH SCHOOL**

**COMPUTER STUDIES FORM 4 C.A.T 1 2016 - TIME 1 HOUR**

**NAME:………………………………………… ADM.NO…………..CL.NO…….. CLASS…………**

***Answer all the questions in the spaces provided***

1. State any **two** peripheral devices that are powered by the system unit. (1 mk)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. The following are symbols of some keys found on the keyboard. Name the keys represented by the symbols. ( 2 mks)

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Explain any **three**functions of system software in a computer (3mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. As a computer student you have been asked to assist in buying an input device. State any **four** factors to consider when buying input devices. (4mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. i. The arithmetic logic unit, the control unit and the main memory use electrical pathways or links called buses. State and explain the three types of buses. (3mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

ii. What is the role of special purpose memories in the microprocessor? (1 mk)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Outline the **three** differences between primary memory and secondary memory. (3mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Citing relevant examples state **two** advantages of integrated software as opposed to single purpose. (2mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. a. Define the term mail merging (1mk)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

b. Name **two** files that are created in mail merging process (1mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

9. (a) Distinguish between a workbook and a worksheet as used in spreadsheets (2mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 (b) What is the meaning of “what if analysis” with respect to spreadsheet? (1mk)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

………………………………………………………………………………………………………………

10. Define the following terms in relation to internet (2mks)
i). Downloading

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

ii). Hyperlink

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

11. Benjos was instructed by his teacher while typing a Microsoft word document to replace

all the occurrences of the word MS with Microsoft. Highlight the steps to do this (3mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

12. What is the difference between logical and physical file? (2mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

13. Explain any **three** types of computer processing files. (6mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

14. Give a reason why HTML is not considered as a true programming language. (1mk)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

15. (a) Define the following computer crimes

(i) Piracy (1mk)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 (ii) Industrial espionage (1mk)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

16. a) State **two** advantages and two disadvantages of the ring network topology

 Advantage (2mks)

 ……………………………………………………………………………………………………….

 ……………………………………………………………………………………………………….

 Disadvantages (2mks)

 ……………………………………………………………………………………………………….

 ……………………………………………………………………………………………………….

 b) State **two** roles and responsibilities of each of the following ICT professionals

 i) Webmaster (2mks)

 ……………………………………………………………………………………………………….

 ……………………………………………………………………………………………………….

 ii) Network Administrator (2mks)

……………………………………………………………………………………………………….

 ……………………………………………………………………………………………………….

 iii) Computer scientists (2mks)

 ……………………………………………………………………………………………………….

 ……………………………………………………………………………………………………….

 iv) System Administrator (2mks)

 ……………………………………………………………………………………………………….

 ……………………………………………………………………………………………………….

 v) Software Engineer (2mks)

 ……………………………………………………………………………………………………….

 ……………………………………………………………………………………………………….

 c) Explain the term accreditation as used in education (1mk)

 ………………………………………………………………………………………………………

**====END====**