



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS  
2017/2018 ACADEMIC YEAR  
FIRST YEAR SECOND SEMESTER**

**SCHOOL OF SCIENCE AND INFORMATION SCIENCES  
BACHELOR OF SCIENCE (COMPUTER SCIENCE)**

**COURSE CODE: COM 1203  
COURSE TITLE: SYSTEM HARDWARE**

**DATE: 24<sup>TH</sup> APRIL 2018**

**TIME: 0830 - 1030HRS**

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## **INSTRUCTIONS**

Answer Questions ONE and any other TWO

### QUESTION ONE

- a. Define the following terms as used in ICT
  - i. Orgware
  - ii. Program
  - iii. Information
  - iv. Giga byte
  - v. Computer
  - vi. Data

**[6Marks]**
- b. Discuss types of computers by their generation **[5Marks]**
- c. Discuss components of CPU **[3 Marks]**
- d. Outline the purposes of the following computer applications
  - i. Ms word
  - ii. Ms excel
  - iii. Microsoft access
  - iv. Microsoft windows

**[4 Marks]**
- e. Discuss three features of MS DOS **[6 Marks]**
- f. Discuss two major categories of softwares **[2 Marks]**
- g. Discuss four functions of operating systems **[4 Marks]**

### QUESTION TWO

- i. Discuss the differences between machine language and assembly language **[10Marks]**
- ii. Discuss the features of sequential files and serial files **[6 Marks]**
- iii. Define utility programs giving examples **[4 Marks]**

### QUESTION THREE

- i. Discuss the following hardware categories giving examples of each
  - a) Input devices
  - b) Output devices
  - c) Storage devices

**[12 Marks]**
- ii. Discuss four safety precautions while working with computers **[8Marks]**

### QUESTION FOUR

- i. ROM and RAM form the main memory unit of the computer. discuss five characteristics of each **[10 Marks]**
- ii. Discuss the differences between digital and analog computers **[4Marks]**
- iii. Discuss procedures of creating ms access database and a table in design view **[6 Marks]**

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