MASINDE MULIRO UNIVERSITY OF

SCIENCE AND TECHNOLOGY

(MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2020/2021 ACADEMIC YEAR

SEMESTER ONE EXAMINATIONS

FOR THE CERTIFICATE

IN

INFORMATION TECHNOLOGY

COURSE CODE: ITC 010

COURSE TITLE: INTRODUCTION TO ICT

DATE: 25/05/2021   **TIME:** 8AM – 9.30AM

INSTRUCTIONS TO CANDIDATES

Answer Questions ONE and ANY OTHER TWO.

TIME: 1 Hour 30 Minutes

MMUST observes ZERO tolerance to examination cheating

QUESTION ONE (24MKS)-COMPULSORY

a. Define the following terms as used in computer

    i.   Data   [1MK]

    ii.   Information   [1MK]

b. State four reasons why everyone should have the knowledge of computer   [4MKS]

c. Distinguish between these two types of memories giving examples in each case

    i.   Volatile Memory   [4MKS]

    ii.   Non-Volatile Memory   [4MKS]

d. Explain the following terms as used in computer

    i. Cold booting   [2MKS]

    ii. Warm booting   [2MKS]

e. Draw a simple cycle of data processing in a computer   [4MKS]

f. Giving an example differentiate between input and output devices   [2MKS]

QUESTION TWO (18 MKS)

a. Explain the following classification of computers

    i.   Third generation   [3 MKS]

    ii.   Microcomputers   [3 MKS]

    iii.   Hybrid computes   [3 MKS]

b. State the functions of the following keys found on the keyboard

    i. Caps lock key   [1MKS]

    ii. Windows key   [2MKS]

c. Define the following terms as used in IT

    i. Hardware   [3 MKS]

    ii. Software   [3 MKS]

QUESTION THREE (18 MKS)

a. Differentiate between the following terms

    i.   Primary memory and secondary memory   [3 Marks]

    ii.   Computer memory and storage devices   [3 Marks]

    iii.   RAM and ROM   [3 Marks]

b. Differentiate between direct and indirect data input, giving examples   [4 Marks]

c. Give two categories of monitors   [2 Marks]

d. Outline the components of a computer system   [3 Marks]

QUESTION FOUR (18MKS)

a. Define the term computer memory [2MKS]
b. State four uses of the axillary memory of the computer that makes it important [4MKS]
c. What is a computer network? [2 MKS]
d. Differentiate between the following terms
  i. internet [3MKS]
  ii. extranet [3MKS]
e. Outline any FOUR importance of networks [4MKS]

QUESTION FIVE (18MKS)

a) State and explain the following terms as used in computer
  i. TFT [2MKS]
  ii. CRT [2MKS]
  iii. VGA [2MKS]
b) Outline any four IT computer personnel [4MKS]
c) Outline three roles of ICT in society [3MKS]
d) Explain the difference between hard copy and soft copy [3MKS]
e) Draw a diagram to show the bus topology [2MKS]