



**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

MAIN CAMPUS

UNIVERSITY SUPPLEMENTARY / SPECIAL EXAMINATIONS

2018/2019 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER EXAMINATIONS

FOR THE DEGREE

OF

BACHELOR OF SCIENCE (EDUCATION/SCI/SONAS)

COURSE CODE: BIT 113/CSC 109

COURSE TITLE: IT FUNDAMENTALS/COMPUTER APPLICATIONS

DATE: 18th October 2019

TIME: 12:00-2:00P.M

INSTRUCTIONS TO CANDIDATES

Answer Question 1 and Any Other Two (2) questions

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over. 

QUESTION ONE (30 MARKS)-COMPULSORY

- a) Briefly describe 4 peripheral devices 4mks
- b) i. In a menu, what does a small black triangle found next to a command indicate. 2mks
 - ii. state 3 tool bars of a Microsoft word screen document 3mks
- c) Differentiate between a cell and a worksheet in excel 2mks
- d) define the following terms as used in computers 4mks
 - i. computer
 - ii. hardware
 - iii. program
 - iv. CPU
- e) List the steps that you can use to create a folder. 3mks
- f) Differentiate between a Table and a query 2mks
- g) What factors should one consider when buying a computer system. 5mks
- h) Discuss four common sources of computer viruses. 5mks

QUESTION TWO (20 MARKS)

- a) Using a labeled block diagram show components of a computer 8mks
- b) Distinguish between the following:
 - i. Input and output devices 4mks
 - ii. RAM and ROM 4mks
- c) Convert to binary 134_{10} 2mks
- d) Differentiate between save and save as 2mks

QUESTION THREE (20 MARKS)

- a) i. What is an operating system? 2mks
 - ii. List two types of operating system 2mks
- b) Describe any three types of secondary storage media 3mks
- c) Explain four methods used to secure data in a computer 4mks
- d) Describe five major shortcomings of the traditional (paper) file structures that are being addressed by the database approach. 5mks
- e) Explain four application areas of Database Systems 4mks

QUESTION FOUR (20 MARKS)

- a) Differentiate between Software and hardware? 4mks
- b) Define the following term 4mks
 - i. Cell
 - ii. Workbook
 - iii. Worksheet
 - iv. Wordwrap
- c) i. Outline the steps of mail merging as used in Ms. Word. 5mks
 - ii. Explain the use of mail merging in the realworld scenarios. 2mks
- d) Use of social media like Facebook, Twitter and others are trending among Internet Applications. Outline five negative impact of use of social media. 5mks

QUESTION FIVE (20 MARKS)

Giving advantages and disadvantages of computing, discuss ways in which computers have changed the way business transactions are conducted. 20mks