



# TECHNICAL UNIVERSITY OF MOMBASA

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## SCHOOL OF BUSINESS

### DEPARTMENT OF BUSINESS ADMINISTRATION

### UNIVERSITY EXAMINATION FOR:

### DFOO

### EIT 2230: INFORMATION TECHNOLOGY

### END OF SEMESTER EXAMINATION

**SERIES: AUGUST 2019**

**TIME: 2 HOURS**

**DATE:** Pick Date Select Month Pick Year

#### **Instructions to Candidates**

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.

**Do not write on the question paper.**

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#### **Question ONE**

1. List two examples for each of the following software types (5 Marks)
  - i. Word Processors.
  - ii. Spreadsheets.
  - iii. Presentation software.
  - iv. Desktop Publishing.
  - v. Database Management Systems.
2. Differentiate between files and folders (4 Marks)
3. While giving examples, differentiate between System software and Application software. (6 Marks)
4. Differentiate between computer installation and system installation (4 Marks)
5. List four different types of servers and then discuss what they are used for (8 Marks)
6. State THREE advantages of computer system. (3 Marks)

## Question TWO

1. Describe what the following shortcut keys do. (6 Marks)
  - i. Ctlr+A
  - ii. Ctrl+Z
  - iii. Ctrl+F
  - iv. Ctrl+S
  - v. Ctrl+B
2. Define the following terms as used in Ms Access. (4 Marks)
  - i. Data Item
  - ii. Field
  - iii. Record
  - iv. Data Structure
3. Discuss five features of word processors (10 Marks)

## Question THREE

1. Outline FIVE uses of spreadsheet. (5 Marks)
2. Define the term function as used in Spreadsheet and outline any Four types of functions used in MS Excel (5 Marks)
3. Office automation aims at improving the productivity of white collar staff – the managerial, secretarial and clerical personnel and streamlining the availability of pertinent information to all concern.  
State and explain the components of an automated office (10 Marks)

## Question FOUR

- a. While giving examples, discuss the following emerging trends in ICT (20 Marks)
  - i. Data Analytics
  - ii. Artificial Intelligence
  - iii. Blockchain and Cryptocurrency
  - iv. Robotics
  - v. Cloud Computing

## Question FIVE

- a) Explain the need for presentation software (4Marks)
- b) Give the following acronyms in full, then explain what they are. (6 Marks)
- i. LAN
  - ii. WAN
  - iii. MAN
- c) The picture below was extracted from spreadsheet 2007. Use it to answer the questions below.

	A	B	C	D	E	F	G	H	I	J	K	L
	Students							Total	Avarage			
1	Names	Sex	Maths	English	Kiswahili	Chemistry	Biologhy	marks	Marks	Highest	Lowest	
2	Doreen	F	62	50	30	20	90					
3	Leila	F	36	32	60	65	18					
4	Tom	M	56	65	62	32	45					
5	Joyce	F	89	98	45	45	56					
6	Fatma	F	23	20	12	12	54					
7	Mildred	F	12	14	45	89	10					
8	Linnet	F	24	50	89	52	89					
9	John	M	81	14	56	30	56					
10	Joseph	M	45	56	23	23	56					
11	Kassim	M	50	90	56	56	54					
12												

- i. Differentiate between a cell and a worksheet (2 marks)
- ii. Write the formula that can be used to calculate (8 marks)
  - a.Total marks in cell H2
  - b.Average mark in cell I3
  - c.Highest mark in cell J5
  - d.Lowest mark in cell K11