TECHNICAL UNIVERSITY OF MOMBASA

INSTITUTE OF COMPUTING AND INFORMATICS

Select department

UNIVERSITY EXAMINATION FOR:

DMEN,

EIT2101: COMPUTER APPLICATION

END OF SEMESTER EXAMINATION

SERIES: AUGUST 2019

TIME: 2 HOURS

DATE: Pick DateSelect MonthPick 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. Attemptany THREE questions.
Do not write on the question paper.

Question ONE
a) Define the following terms   (5 Marks)
   i) Spreadsheet   ii)Processing   iii)Teleconferencing iv)ALU   v)Hard disk
b) Using a diagram discuss the FIVE basic operation performed by a computer system (10 Marks)
c) State and explain the TWO types of main memory (4 Marks)
d) Outline the use of the right mouse button (2 Marks)
e) State the FIVE functions of the operating system (5 Marks)
f) State and explain the TWO types of windows (4 Marks)

Question TWO
a) It has been observed that most of modern businesses are using computers in their operations**.** State any **four** reasons concerning computers so as to support the observation**.**   (4 marks)
b) Control unit directs and coordinates most of the operations in the computer. For every instruction, the control unit repeats a set of four basic operations called the machine cycle. State and explain the **four** basic operations of the machine cycle.   (8 marks)
c) Buying a computer from the market requires a careful consideration. Explain any **four** specifications that one should considered when sourcing for a computer.   (8 marks)

Question THREE

a) A typical personal computer has components to enter, to display and print information, retrieve and store information and communicates with other computers. State the basic components of a computer system (3 Marks)

b) Explain the following terminologies as used in spreadsheets   (4 Marks)
   i) Functions   ii) Formulas   iii) Workbook   iv) Worksheet

c) Outline FIVE main features of a Spreadsheet   (5 Marks)

d) State and explain the FOUR major objects used in Microsoft access (8 Marks)

Question FOUR

a) Define the term chart (1 Mark)

b) State and explain any FIVE types of charts (10 Marks)

c) Outline the advantages of a Database Management System (5 Marks)

d) State FOUR part of a keyboard (4 Marks)

Question FIVE

a) State and explain any five features Microsoft Office Word (10 Marks)

b) Given the information below,

- Allowances =25% of basic pay less 200
- Tax = 16% of basic pay less 1/3 of allowances
- Net pay = basic pay add allowances then less tax.

	A	B	C	D	E	F	G
1	Names	Age	Staff No.	Basic Pay	Allowance	Tax	Net Pay
2	Ochieng	40	1	70000			
3	Peter	31	2	30000			
4	Dan	45	3	45000			
5	Elphas	25	4	34000			

Write formula that will later be reference to all employees to calculate   (6 Marks)

i)   Allowance

ii)   Tax

iii)   Net Pay

c) A Computer software is programs, with step by step instructions that tell the computer hardware what to do discuss the following categories of software. (4 Marks)

i.   System software

ii.   Application software