



TECHNICAL UNIVERSITY OF MOMBASA
INSTITUTE OF COMPUTING AND INFORMATICS

Select department

UNIVERSITY EXAMINATION FOR:

DMEN,

EIT2101: COMPUTER APPLICATION

END OF SEMESTER EXAMINATION

SERIES:AUGUST2019

TIME:2HOURS

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. Attempt any **THREE** questions.

Do not write on the question paper.

Question ONE

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

Question TWO

- 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)
- 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)
- 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