



MURANG'A UNIVERSITY OF TECHNOLOGY
SCHOOL OF COMPUTING AND INFORMATION TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

UNIVERSITY ORDINARY EXAMINATION
2020/2021 ACADEMIC YEAR

**FIRST YEAR FIRST SEMESTER EXAMINATION FOR, DIPLOMA IN
COMPUTER SCIENCE**

UNIT CODE: SIT: 050

UNIT TITLE: COMPUTER APPLICATION

DURATION: 2 HOURS

Instructions to candidates:

1. Answer question One and Any Other Two questions.
2. Mobile phones are not allowed in the examination room.
3. You are not allowed to write on this examination question paper.

SECTION A: ANSWER ALL QUESTIONS IN THIS SECTION

QUESTION ONE (30 MARKS)

- (a) Explain the following computer terms:
- i) Disk formatting (2 marks)
 - ii) Disk write up (2 marks)
 - iii) Computer software (2 marks)
 - iv) Operating system (2 marks)
 - v) Computer files (2 marks)
- (b) Give **two** functions for each of the following components
- (i) Control unit (2 marks)
 - (ii) Arithmetic and logic unit. (2 marks)
 - (iii) Main memory (2 marks)
- (c) Discuss at least **3** areas where computers are used and mention how they are used in each case. (6 marks)
- (d) What is the major difference between a super computer and a mini frame computer. (4 marks)
- (e) What were the major disadvantages of the first generation computer? (2 marks)
- (f) Write a DOS command to copy a file. (2 marks)

SECTION B – ANSWER ANY TWO QUESTIONS IN THIS SECTION

QUESTION TWO (20 MARKS)

- (a) Name and explain **three** mouse parts and operations. (6 marks)
- (b) Explain the term disk formatting and give a situation where you may want to format a disk in a computer systems. (2 marks)
- (c) Name the four POAS that form a computer system and explain the major function of each of the following POA. (8 marks)
- (c) Explain at least **four** ways through which a virus gets into a computer system (4 marks)

QUESTION THREE (20 MARKS)

- (a) Name and explain the **four** registers that are found inside the CPU. (4 marks)
- (b) State and explain any **four** functions of the operating system. (4 marks)
- (c) State and explain any **three** special keys found on a standard keyboard. (3 marks)
- (d) What factors would you consider when purchasing a computer system. (4 marks)
- (e) Highlight a procedure for the following operations
- (i) Restoring a deleted file.
 - (ii) Creating a folder (5 marks)